Gannett Fleming

NJD002325074

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LENOX CHINA

A DIVISION OF LENOX, INC.

POMONA, NEW JERSEY

POMONA DGW AND TCE QUARTERLY GROUNDWATER MONITORING REPORT APRIL 2004 MONITORING ROUND

PROJECT #43838.001/.002

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Office Location:

GANNETT FLEMING

202 Wall Street

Princeton, New Jersey 08540

Office Contacts:

James M. Barish, CPG

Robyn Berner

(609) 279-9140

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1.0 INTRODUCTION

This report summarizes the results of the groundwater monitoring programs that satisfy the requirements outlined in Lenox's NJPDES Discharge to Groundwater (DGW) permit (permit number NJ0086487) and the Memorandum of Agreement (MOA) between Lenox and NJDEP. All groundwater monitoring and analytical procedures were conducted in accordance with the protocols outlined in the most recently revised Groundwater Sampling and Analysis Plan (GWSAP) and Supplemental Groundwater Sampling and Analysis Plan (SGWSAP) approved by NJDEP.

This report presents the DGW and MOA sampling program data in a single document. The report components are as follows:

- Detection Monitoring Program
- GAC Treatment System Monitoring Program
- Depth to Water and Water Level Elevation Measurements
- TCE Monitoring Program
- SWMU No. 2 and Area of Concern Monitoring Program
- Classification Exception Area/Statistical Analysis Program
- Residential Well Sampling

The first three items satisfy the DGW permit monitoring requirements while the remaining items fulfill the requirements of the MOA.

2.0 DETECTION MONITORING PROGRAM (DGW)

The quarterly detection monitoring program is covered by the GWSAP and consists of the following for the second quarter:

- Sample monitoring wells MW-1, MW-3, MW-4, MW-6, MW-9 and MW-10.
- All samples are analyzed for color and total and dissolved lead and zinc. Samples from MW-1 and MW-10 are also analyzed for total and dissolved iron, total suspended solids (TSS) and total dissolved solids (TDS).
- Specific conductivity, pH, temperature and dissolved oxygen are measured in the field during purging and prior to sample collection.

Table 1, Section 2 summarizes the results of the current sampling event. The full laboratory data report is provided in Appendix C. Tables 2 through 7 summarize historical sampling results for each well since 1996.

The April 2004 monitoring results are summarized below:

- Total lead concentrations ranged from less than the laboratory reporting limit of 3.0 micrograms per liter (µg/l) to 53.9 µg/l, with the highest concentration in the sample from MW-3. Dissolved lead concentrations ranged from less than the laboratory reporting limit of 3.0 µg/l to 47.5 µg/l, with the highest concentration in the sample from MW-3.

- Total zinc concentrations ranged from less than the laboratory reporting limit of 20 µg/l to 4,350 µg/l, with the highest concentration in the sample from MW-3. Dissolved zinc concentrations ranged from less than the laboratory reporting limit of 20 µg/l to 4,170 µg/l, with the highest concentration also in the sample from MW-3.

- Iron was analyzed only in the samples from MW-1 and MW-10. Total iron was detected at concentrations of 691 µg/l in MW-1 and 246 µg/l in MW-10. Dissolved iron was not

detected in either sample at concentrations exceeding the 100 µg/l laboratory reporting limit.

- TDS and TSS were analyzed only in the samples from MW-1 and MW-10. TDS concentrations were 66 milligrams per liter (mg/l) in MW-1 and 115 mg/l in MW-10. TSS concentrations were less than the laboratory reporting limit of 4.0 mg/l in MW-1 and 5.0 mg/l in MW-10.

- Color concentrations ranged from 5 color units (MW-6) to 50 color units (MW-1).

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TABLE 1 SECTION 2

GROUNDWATER QUALITY DATA - APRIL 2004

Parameter	Units	MW-1	MW-3	MW-4	MW-6	MW-9	MW-10	MW-2 (MW-10 Dup)	FB	TB
pH, Field	pH units	5.15	5.58	5.79	4.19	5.83	5.37	5.37	-	-
Specific Conductance	ms	0.090	0.440	0.250	0.152	0.252	0.153	0.153	-	-
Oxygen, Dissolved	mg/l	-	-	-	-	-	-	-	-	-
Temperature, Field	°C	10.1	13.5	13.9	14.1	15.5	15.2	15.2	-	-
Total Suspended Solids	mg/l	<4.0	-	-	-	-	5.0	<4.0	<4.0	-
Total Dissolved Solids	mg/l	66	-	-	-	-	115	127	<10	-
Ammonia-Nitrogen	mg/l	-	-	-	-	-	-	-	-	-
Color	CU units	50	15	20	5	10	30	30	<5	-
Sulfate	mg/l	-	-	-	-	-	-	-	-	-
Iron, Dissolved	µg/l	<100	-	-	-	-	<100	<100	<100	-
Lead, Dissolved	µg/l	<3.0	**47.5**	**11.3**	<3.0	<3.0	<3.0	<3.0	<3.0	-
Sodium, Dissolved	µg/l	-	-	-	-	-	-	-	-	-
Zinc, Dissolved	µg/l	<20	**4,170**	**60.5**	<20	<20	<20	<20	<20	-
Iron, Total	µg/l	691	-	-	-	-	246	217	<100	-
Lead, Total	µg/l	<3.0	**53.9**	**13.7**	<3.0	<3.0	<3.0	<3.0	<3.0	-
Sodium, Total	µg/l	-	-	-	-	-	-	-	-	-
Zinc, Total	µg/l	<20	**4,350**	**68.3**	<20	<20	<20	<20	<20	-
Volatile Organic Compounds										
1,1-Dichloroethene	µg/l	<0.43	-	-	-	-	<0.43	<0.43	<0.43	<0.43
Cis-1,2-Dichloroethene	µg/l	<0.20	-	-	-	-	0.26 J	0.33 J	<0.20	<0.20
Trans-1,2-Dichloroethene	µg/l	<0.53	-	-	-	-	<0.53	<0.53	<0.53	<0.53
Methylene Chloride	µg/l	<0.64	-	-	-	-	<0.64	<0.64	<0.64	<0.64
Trichloroethene (TCE)	µg/l	<0.19	-	-	-	-	**3.9**	**3.7**	<0.19	<0.19
Vinyl Chloride	µg/l	<0.67	-	-	-	-	<0.67	<0.67	<0.67	<0.67
Sum of Volatile Organic Compounds	µg/l	<1.33	-	-	-	-	5.30	5.17	<1.33	<1.33

Notes:
- = Not Analyzed < = Not Detected J = Estimated Value
Values in **bold** font exceed the site specific Groundwater Quality Criteria for Lead (10 µg/l), Zinc (36.7 µg/l) or TCE (1.0 µg/l).

LENOX CHINA - POMONA, NEW JERSEY

TABLE 2 SECTION 2

SUMMARY OF WATER QUALITY DATA FOR WELL MW-1

Sampling Date	Ammonia (mg/l)	Iron, Dissolved (ug/l)	Lead, Total (ug/l)	Lead, Dissolved (ug/l)	Oxygen, Dissolved (mg/l)	pH (pH units)	Sodium, Dissolved (ug/l)	Specific Conductance @ 25 C (umhos/cm)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Total Suspended Solids (mg/l)	Sum of Volatile Organic Compounds (ug/l)	Zinc, Total (ug/l)	Zinc, Dissolved (ug/l)
10/8/1996	-	< 100	7.0	< 3.0	11.80	5.38	-	66.7	-	175	38	< 0.20	**535**	**79.0**
1/14/1997	< 0.10	< 100	4.0	< 3.0	3.40	5.45	8,980	47.6	< 10	164	27	< 0.20	24.0	< 20
4/7/1997	-	< 100	3.0	< 3.0	16.80	5.29	-	41.7	-	138	14	< 0.20	< 20	< 20
7/16/1997	-	< 100	**11.0**	< 3.0	3.10	-	-	18.8	-	<10	18	< 0.20	< 20	**45.0**
10/20/1997	-	130	< 3.0	< 3.0	1.70	5.40	-	16.7	-	94	49	< 0.20	< 20	30.0
1/19/1998	< 0.10	165	3.4	< 3.0	1.20	5.40	6,980	43.9	11.9	86	12	< 0.20	< 20	25.2
4/13/1998	-	134	< 3.0	< 3.0	2.70	4.92	-	60.1	-	90	9	< 0.20	< 20	< 20
7/6/1998	-	322	**10.8**	< 3.0	5.40	5.76	-	32.1	-	126	11	< 0.20	29.4	33.4
10/5/1998	-	438	3.0	< 3.0	0.00	5.10	-	40.3	-	71	88	< 0.20	< 20	< 20
2/16/1999	< 0.10	< 100	< 3.0	< 3.0	7.66	6.00	24,200	25.0	18.5	124	7	< 0.20	< 20	23.6
4/12/1999	-	< 100	3.3	< 3.0	5.20	7.91	-	115	-	65	6	< 0.20	< 20	< 20
7/12/1999	-	< 100	< 3.0	< 3.0	7.30	6.18	-	32.6	-	80	< 4	< 0.20	22.5	< 20
10/18/1999	-	< 100	3.6	< 3.0	8.90	5.20	-	121	-	77	< 4	< 0.20	30.2	< 20
1/18/2000	< 0.10	< 100	< 3.0	< 3.0	6.62	5.66	15,500	80.8	< 20	36	< 4	< 0.20	< 20	< 20
4/10/2000	-	< 100	< 3.0	< 3.0	6.20	5.87	-	23.6	-	131	16	< 0.20	25.4	< 20
7/12/2000	-	< 100	< 3.0	< 3.0	7.10	6.53	-	155	-	117	< 4	< 0.66	< 20	< 20
10/17/2000	-	< 100	< 3.0	< 3.0	4.62	4.83	-	156	-	37	6	< 0.66	< 20	< 20
1/24/2001	< 0.10	< 100	< 3.0	< 3.0	4.68	4.69	17,900	160	< 20	101	< 4	< 0.89	< 20	< 20
4/18/2001	-	< 100	3.7	< 3.0	7.79	5.55	-	60.0	-	89	7	0.56	21.3	< 20
7/23/2001	-	< 100	< 3.0	< 3.0	6.56	5.12	-	115	-	36	< 4	< 1.3	< 20	< 20
10/16/2001	-	< 100	< 3.0	4.1	9.42	5.30	-	195	-	96	5	< 1.3	24.2	< 20
1/23/2002	< 0.10	< 100	< 3.0	< 3.0	9.25	5.23	31,700	224	< 20	148	< 4	< 1.3	< 20	< 20
4/9/2002	-	< 100	< 3.0	< 3.0	-	4.98	-	289	-	124	< 4	< 1.3	< 20	21.0
7/19/2002	-	< 100	< 3.0	< 3.0	8.23	5.23	-	171	-	64	< 4	< 0.44	< 20	< 20
10/15/2002	-	114	3.3	3.8	8.64	4.82	-	189	-	83	< 4	< 0.60	< 20	< 20
1/30/2003	< 0.10	< 100	< 3.0	< 3.0	9.40	5.11	11,100	94	< 20	56	4	< 0.60	< 20	< 20
4/16/2003	-	< 100	3.6	< 3.0	10.70	5.45	-	83	-	59	10	< 1.33	< 20	< 20
7/23/2003	-	< 100	5.7	< 3.0	5.70	4.81	-	75	-	100	9	< 1.33	< 20	< 20
10/30/2003	-	< 100	< 3.0	< 3.0	7.40	4.80	-	87	-	71	< 4	< 1.33	< 20	< 20
1/22/2004	< 0.10	< 100	< 3.0	< 3.0	9.80	4.90	9,910	96	< 20	79	9	< 1.33	< 20	< 20
4/29/2004	-	<100	< 3.0 ✓	<3.0 ✓	-	5.15	-	90	-	66 ✓	< 4 ✓	< 1.33	< 20 ✓	<20 ✓

- Denotes Not Analyzed < Denotes Not Detected

Values in **bold** font exceed the site specific Groundwater Quality Criteria for Lead (10 ug/l) or Zinc (36.7 ug/l).

LENOX CHINA - POMONA, NEW JERSEY

TABLE 3 SECTION 2

SUMMARY OF WATER QUALITY DATA FOR WELL MW-3

Sampling Date	Lead, Total (ug/l)	Lead, Dissolved (ug/l)	Oxygen, Dissolved (mg/l)	pH (pH units)	Sodium, Dissolved (ug/l)	Specific Conductance @ 25 C (umhos/cm)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Total Suspended Solids (mg/l)	Zinc, Total (ug/l)	Zinc, Dissolved (ug/l)
10/8/1996	**87.0**	**21.4**	9.70	5.84	-	248	-	-	-	**4,580**	**4,540**
1/14/1997	**51.0**	**34.9**	5.40	5.02	13,000	134	20.3	109	-	**2,420**	**2,380**
4/7/1997	**111**	<3.0	12.50	5.47	-	211	-	-	-	**4,480**	**4,800**
7/19/1997	**34.6**	**12.7**	2.80	5.52	-	25.7	-	-	-	**5,060**	**4,400**
10/20/1997	**37.0**	**31.0**	2.40	5.74	-	252	-	-	-	**3,380**	**3,560**
1/19/1998	**50.5**	**26.9**	7.90	5.77	13,800	434	25.5	154	-	**2,820**	**2,990**
4/13/1998	**33.1**	**30.2**	4.60	6.21	-	537	-	-	-	**3,870**	**3,870**
7/6/1998	**34.1**	**26.9**	3.10	6.06	-	590	-	-	-	**3,530**	**3,500**
10/5/1998	**78.8**	**12.8**	5.40	6.50	-	527	-	-	-	**3,500**	**3,340**
1/11/1999	**78.6**	**20.0**	3.40	5.90	20,600	125	35.8	219	-	**5,130**	**5,170**
4/12/1999	**47.0**	**25.2**	9.00	8.16	-	24.5	-	-	-	**2,340**	**2,200**
7/12/1999	**55.9**	**22.7**	19.00	7.55	-	5.2	-	-	-	**4,260**	**4,370**
10/18/1999	**39.1**	**21.1**	8.20	6.44	-	266	-	-	-	**4,000**	**4,030**
1/18/2000	**72.7**	**16.6**	1.64	6.95	21,100	189	45.2	154	<4	**4,240**	**4,440**
4/10/2000	**18.6**	**14.3**	4.40	6.51	-	188	-	-	-	**2,820**	**2,700**
7/11/2000	**13.2**	**12.7**	4.80	7.18	-	284	-	-	-	**4,130**	**4,100**
10/17/2000	**24.1**	**12.3**	1.25	5.63	-	337	-	-	-	**3,780**	**3,960**
1/24/2001	**64.2**	**10.6**	2.82	5.68	15,500	238	26.7	151	21	**2,720**	**2,720**
4/18/2001	**24.8**	**18.0**	2.86	5.89	-	106	-	-	-	**2,330**	**2,380**
7/23/2001	**11.6**	9.1	1.92	5.78	-	309	-	-	-	**3,480**	**3,230**
10/16/2001	**15.1**	**12.8**	9.34	6.83	-	255	-	-	-	**2,290**	**2,230**
1/23/2002	**13.6**	**11.8**	8.81	6.73	26,000	324	70.8	228	<4	**3,900**	**3,810**
4/10/2002	**12.2**	**11.2**	-	6.66	-	567	-	-	-	**4,290**	**4,340**
7/18/2002	**80.8**	**69.5**	1.48	5.36	-	738	-	-	-	**14,700**	**14,900**
10/17/2002	**20.2**	**21.4**	6.80	5.21	-	466	-	-	-	**8,580**	**8,560**
1/31/2003	9.5	8.4	4.60	5.11	11,400	111	28.9	90	<4	**1,540**	**1,570**
4/16/2003	**117**	**116**	5.30	5.32	-	1,050	-	-	-	**4,050**	**4,170**
7/23/2003	**69.0**	**44.6**	-	5.31	-	392	-	-	-	**3,810**	**3,840**
10/29/2003	**51.6**	**43.9**	5.20	5.69	-	358	-	-	-	**5,030**	**5,810**
1/22/2004	**24.9**	**13.2**	6.70	5.42	21,200	263	33.6	158	15	**3,420**	**3,430**
4/28/2004	**53.9**✓	**47.5**✓	-	5.58	-	440	-	-	-	**4,350**✓	**4,170**✓

- Denotes Not Analyzed < Denotes Not Detected

Values in **bold** font exceed the site specific Groundwater Quality Criteria for Lead (10 ug/l) or Zinc (36.7 ug/l).

LENOX CHINA - POMONA, NEW JERSEY

TABLE 4 SECTION 2

SUMMARY OF WATER QUALITY DATA FOR WELL MW-4

Sampling Date	Lead, Total (ug/l)	Lead Dissolved (ug/l)	Oxygen, Dissolved (mg/l)	pH (pH units)	Sodium, Dissolved (ug/l)	Specific Conductance @ 25 C (umhos/cm)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Total Suspended Solids (mg/l)	Zinc, Total (ug/l)	Zinc, Dissolved (ug/l)
10/8/1996	< 3.0	< 3.0	7.30	4.98	-	173	-	-	-	**606**	**481**
1/14/1997	< 3.0	< 3.0	6.10	4.75	14,000	152	55.7	140	-	< 20	24.0
4/7/1997	< 3.0	< 3.0	20.60	5.74	-	150	-	-	-	< 20	< 20
7/16/1997	< 3.0	< 3.0	2.50	5.52	-	471	-	-	-	**43.0**	32.0
10/20/1997	3.0	< 3.0	5.00	5.98	-	304	-	-	-	23.0	29.0
1/19/1998	3.9	< 3.0	4.40	6.06	14,400	460	61.7	164	-	< 20	< 20
4/13/1998	< 3.0	< 3.0	2.30	5.72	-	455	-	-	-	< 20	< 20
7/6/1998	3.7	3.3	2.50	6.34	-	512	-	-	-	22.9	26.6
10/5/1998	4.4	< 3.0	5.10	6.16	-	462	-	-	-	24.8	30.7
1/11/1999	3.0	3.6	4.27	7.20	30,100	225	285	499	-	23.9	**38.9**
4/12/1999	< 3.0	3.4	3.40	8.12	-	8.08	-	-	-	**58.3**	**51.7**
7/12/1999	< 3.0	< 3.0	16.50	7.24	-	3.81	-	-	-	**54.2**	**38.9**
10/18/1999	3.8	< 3.0	7.00	5.94	-	413	-	-	-	**101**	**82.2**
1/18/2000	< 3.0	3.6	7.96	6.48	21,000	339	210	302	< 4	**158**	**155**
4/10/2000	< 3.0	< 3.0	6.70	6.92	-	397	-	-	-	32.5	**128**
7/11/2000	3.0	4.6	7.20	7.00	-	346	-	-	-	**100**	**116**
10/17/2000	< 3.0	3.5	5.19	5.64	-	344	-	-	-	**86.5**	**83.5**
1/24/2001	**10.6**	8.5	8.35	5.82	17,800	384	127	257	< 4	**70.8**	**72.1**
4/18/2001	9.2	7.3	6.40	6.04	-	199	-	-	-	**94.6**	**92.6**
7/23/2001	8.3	8.0	7.10	5.79	-	240	-	-	-	**54.0**	**66.6**
10/16/2001	6.4	7.5	7.55	5.81	-	206	-	-	-	**87.5**	**80.2**
1/23/2002	6.3	6.8	8.52	5.44	14,000	204	70.5	150	< 4	**62.1**	**63.5**
4/9/2002	9.2	8.9	-	5.68	-	468	-	-	-	**116**	**117**
7/18/2002	7.2	8.9	7.57	6.76	-	255	-	-	-	**102**	**109**
10/15/2002	8.7	10.0	7.10	5.19	-	277	-	-	-	**94.1**	**92.1**
1/31/2003	**11.4**	6.9	7.90	5.76	12,100	169	67.6	141	12	**81.9**	**74.4**
4/16/2003	**12.1**	8.5	7.20	5.98	-	206	-	-	-	**81.4**	**74.6**
7/23/2003	6.9	4.1	-	5.73	-	225	-	-	-	**87.5**	**84.4**
10/30/2003	**26.7**	**24.9**	4.80	5.40	-	348	-	-	-	**133**	**127**
1/22/2004	5.9	3.8	9.10	5.73	14,800	221	69.0	161	6	**63.0**	**66.2**
4/29/2004	**13.7** ✓	**11.3** ✓	-	5.79	-	250	-	-	-	**68.3** ✓	**60.5** ✓

- Denotes Not Analyzed < Denotes Not Detected

Values in **bold** font exceed the site specific Groundwater Quality Criteria for Lead (10 ug/l) or Zinc (36.7 ug/l).

LENOX CHINA - POMONA, NEW JERSEY

TABLE 5 SECTION 2

SUMMARY OF WATER QUALITY DATA FOR WELL MW-6

Sampling Date	Lead, Total (ug/l)	Lead, Dissolved (ug/l)	Oxygen, Dissolved (mg/l)	pH (pH units)	Sodium, Dissolved (ug/l)	Specific Conductance @ 25 C (umhos/cm)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Total Suspended Solids (mg/l)	Zinc, Total (ug/l)	Zinc, Dissolved (ug/l)
10/8/1996	< 3.0	< 3.0	6.50	4.13	-	172	-	-	-	**265**	**219**
1/14/1997	< 3.0	< 3.0	6.00	4.63	15,400	149	-	99	-	26.0	33.0
4/7/1997	< 3.0	< 3.0	16.20	4.08	-	162	-	-	-	< 20	24.0
7/16/1997	< 3.0	< 3.0	5.30	3.87	-	189	-	-	-	23.9	29.5
10/20/1997	< 3.0	< 3.0	7.60	4.27	-	231	-	-	-	23.0	23.0
1/19/1998	4.0	3.4	17.50	4.44	25,100	441	57.2	111	-	22.8	29.6
4/13/1998	< 3.0	< 3.0	2.50	5.94	-	501	-	-	-	< 20	< 20
7/6/1998	< 3.0	< 3.0	2.80	4.94	-	465	-	-	-	25.5	< 20
10/5/1998	< 3.0	< 3.0	2.20	4.96	-	459	-	-	-	30.9	22.3
1/11/1999	< 3.0	< 3.0	2.99	5.20	25,500	75	92.2	172	-	<0.02	22.2
4/12/1999	6.5	3.2	10.20	7.09	-	25	-	-	-	20.0	23.5
7/12/1999	< 3.0	< 3.0	3.80	6.57	-	179	-	-	-	< 20	22.0
10/18/1999	< 3.0	< 3.0	4.30	4.56	-	193	-	-	-	21.1	< 20
1/18/2000	< 3.0	< 3.0	4.22	5.10	11,400	103	59.0	82	< 4.0	< 20	< 20
4/10/2000	< 3.0	< 3.0	4.10	5.09	-	27.1	-	-	-	20.8	**42.0**
7/12/2000	< 3.0	< 3.0	6.40	6.02	-	230	-	-	-	< 20	< 20
10/17/2000	< 3.0	< 3.0	4.72	4.21	-	224	-	-	-	< 20	< 20
1/24/2001	< 3.0	< 3.0	4.03	4.22	60,200	134	47.1	114	< 4.0	< 20	< 20
4/18/2001	< 3.0	< 3.0	4.43	4.43	-	92	-	-	-	< 20	20.7
7/23/2001	< 3.0	< 3.0	4.25	4.31	-	152	-	-	-	< 20	< 20
10/16/2001	3.0	< 3.0	8.46	4.46	-	200	-	-	-	< 20	< 20
1/23/2002	< 3.0	< 3.0	9.11	4.56	11,000	169	63.7	120	< 4.0	< 20	22.0
4/9/2002	< 3.0	< 3.0	-	4.06	-	212	-	-	-	< 20	< 20
7/18/2002	< 3.0	< 3.0	7.94	4.58	-	181	-	-	-	< 20	< 20
10/15/2002	< 3.0	< 3.0	4.76	4.14	-	249	-	-	-	< 20	< 20
1/30/2003	5.0	< 3.0	7.00	4.26	75,700	107	52.0	61	< 4.0	< 20	< 20
4/16/2003	< 3.0	< 3.0	8.30	4.21	-	167	-	-	-	< 20	< 20
7/24/2003	< 3.0	< 3.0	-	4.31	-	180	-	-	-	< 20	< 20
10/29/2003	< 3.0	< 3.0	4.70	4.15	-	186	-	-	-	< 20	< 20
1/22/2004	< 3.0	< 3.0	8.20	3.87	10,300	141	45.5	97	< 4.0	< 20	< 20
4/29/2004	<3.0✓	<3.0✓	-	4.19	-	152	-	-	-	<20✓	<20✓

- Denotes Not Analyzed < Denotes Not Detected

Values in **bold** font exceed the site specific Groundwater Quality Criteria for Zinc (36.7 ug/l).

LENOX CHINA - POMONA, NEW JERSEY

TABLE 6 SECTION 2

SUMMARY OF WATER QUALITY DATA FOR WELL MW-9

Sampling Date	Ammonia (mg/l)	Lead, Total (ug/l)	Lead, Dissolved (ug/l)	Oxygen, Dissolved (mg/l)	pH (pH units)	Sodium, Dissolved (ug/l)	Specific Conductance @ 25 C (umhos/cm)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Total Suspended Solids (mg/l)	Zinc, Total (ug/l)	Zinc, Dissolved (ug/l)
10/8/1996	-	< 3.0	< 3.0	6.80	6.21	-	397	-	-	-	**200**	**204**
1/14/1997	1.4	< 3.0	< 3.0	3.50	5.40	60,600	334	120	383	-	< 20	21.3
4/7/1997	-	< 3.0	< 3.0	8.90	6.17	-	293	-	-	-	< 20	21.2
7/16/1997	-	< 3.0	< 3.0	1.00	6.14	-	407	-	-	-	< 20	< 20
10/20/1997	-	< 3.0	< 3.0	4.30	6.45	-	397	-	-	-	< 20	< 20
1/19/1998	1.2	< 3.0	< 3.0	20.80	6.93	56,500	806	111	304	-	< 20	< 20
4/13/1998	-	< 3.0	< 3.0	1.80	6.69	-	605	-	-	-	< 20	< 20
7/6/1998	-	3.4	< 3.0	0.80	6.62	-	960	-	-	-	< 20	**40.6**
10/5/1998	-	< 3.0	< 3.0	0.80	6.84	-	987	-	-	-	< 20	< 20
2/16/1999	0.93	< 3.0	< 3.0	0.53	5.90	54,200	200	93.0	292	-	< 20	< 20
4/12/1999	-	< 3.0	< 3.0	0.10	8.24	-	26.3	-	-	-	< 20	< 20
7/12/1999	-	< 3.0	< 3.0	2.40	7.59	-	5.68	-	-	-	< 20	< 20
10/18/1999	-	< 3.0	< 3.0	0.70	6.62	-	544	-	-	-	< 20	< 20
1/18/2000	0.67	< 3.0	< 3.0	1.06	7.35	93,000	420	141	307	< 4	< 20	< 20
4/10/2000	-	< 3.0	< 3.0	1.60	7.32	-	425	-	-	-	25.7	26.2
7/11/2000	-	< 3.0	< 3.0	2.20	7.77	-	408	-	-	-	< 20	< 20
10/17/2000	-	< 3.0	< 3.0	1.16	6.33	-	433	-	-	-	< 20	< 20
1/24/2001	0.22	< 3.0	< 3.0	0.71	5.71	40,100	325	58.7	220	< 4	< 20	< 20
4/18/2001	-	< 3.0	< 3.0	0.00	6.69	-	217	-	-	-	< 20	< 20
7/23/2001	-	< 3.0	< 3.0	0.65	6.56	-	464	-	-	-	< 20	< 20
10/16/2001	-	< 3.0	< 3.0	0.96	6.99	-	359	-	-	-	< 20	< 20
1/23/2002	0.22	< 3.0	< 3.0	2.38	5.94	42,000	265	51.6	189	4.0	< 20	< 20
4/9/2002	-	< 3.0	< 3.0	-	5.12	-	235	-	-	-	< 20	< 20
7/18/2002	-	< 3.0	< 3.0	0.36	6.12	-	393	-	-	-	< 20	< 20
10/17/2002	-	< 3.0	< 3.0	1.84	5.64	-	397	-	-	-	< 20	< 20
1/31/2003	0.17	< 3.0	< 3.0	1.50	6.09	51,400	300	80.8	242	< 4	< 20	< 20
4/16/2003	-	< 3.0	< 3.0	3.10	6.00	-	235	-	-	-	< 20	< 20
7/23/2003	-	< 3.0	< 3.0	-	5.79	-	276	-	-	-	< 20	< 20
10/29/2003	-	< 3.0	< 3.0	2.70	5.80	-	245	-	-	-	< 20	< 20
1/22/2004	0.18	< 3.0	< 3.0	2.90	5.53	44,300	286	55.4	199	< 4	< 20	< 20
4/29/2004	-	<3.0 ✓	<3.0✓	-	5.83	-	252	-	-	-	<20✓	<20✓

- Denotes Not Analyzed < Denotes Not Detected

Values in **bold** font exceed the site specific Groundwater Quality Criteria for Zinc (36.7 ug/l).

LENOX CHINA - POMONA, NEW JERSEY

TABLE 7 SECTION 2

SUMMARY OF WATER QUALITY DATA FOR WELL MW-10

Sampling Date	Iron, Dissolved (ug/l)	Lead, Total (ug/l)	Lead, Dissolved (ug/l)	Oxygen, Dissolved (mg/l)	pH (pH units)	Sodium, Dissolved (ug/l)	Specific Conductance @ 25 C (umhos/cm)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Total Suspended Solids (mg/l)	Sum of Volatile Organic Compounds (ug/l)	Zinc, Total (ug/l)	Zinc, Dissolved (ug/l)
10/8/1996	< 100	< 3.0	< 3.0	1.80	4.10	-	302	-	247	< 4	29.4	**195**	**264**
1/14/1997	< 100	**18.0**	< 3.0	4.40	4.07	39,200	288	94.6	262	4	17.8	29.3	20.3
4/7/1997	< 100	9.0	8.0	10.50	5.29	-	279	-	229	-	33.3	< 20	< 20
7/16/1997	-	3.0	< 3.0	3.80	5.15	-	290	-	-	-	-	< 20	< 20
10/21/1997	640	< 3.0	< 3.0	4.80	5.61	-	316	-	228	8	-	< 20	< 20
1/19/1998	< 100	3.2	3.4	6.90	5.87	43,400	852	77.8	239	17	27.0	< 20	< 20
4/14/1998	< 100	3.2	< 3.0	2.10	6.10	-	722	-	200	< 4	34.0	< 20	< 20
7/6/1998	652	< 3.0	< 3.0	2.90	5.90	-	658	-	276	< 4	22.9	31.5	**44.2**
10/5/1998	538	< 3.0	< 3.0	2.90	5.85	-	715	-	222	14	13.3	< 20	< 20
1/11/1999	< 100	< 3.0	< 3.0	3.14	5.70	37,000	175	56.8	247	< 4	28.3	23.2	< 20
4/12/1999	< 100	< 3.0	9.1	5.90	7.38	-	27.2	-	139	7	9.3	< 20	< 20
7/12/1999	< 100	< 3.0	< 3.0	14.40	7.48	-	7.5	-	175	< 4	13.3	< 20	22.8
10/18/1999	< 100	< 3.0	< 3.0	1.90	5.60	-	283	-	187	< 4	14.0	< 20	< 20
1/18/2000	< 100	< 3.0	< 3.0	3.51	6.25	30,700	198	66.3	171	< 4	11.1	< 20	< 20
4/10/2000	< 100	3.2	< 3.0	3.80	6.37	-	200	-	141	12	8.3	< 20	< 20
7/12/2000	< 100	< 3.0	< 3.0	5.00	7.13	-	253	-	144	< 4	8.72	< 20	< 20
10/17/2000	< 100	< 3.0	< 3.0	0.97	5.28	-	336	-	183	< 4	6.5	< 20	< 20
1/24/2001	< 100	< 3.0	< 3.0	1.42	5.33	34,800	356	86.1	229	< 4	14.4	< 20	< 20
4/18/2001	< 100	< 3.0	< 3.0	0.33	5.79	-	201	-	196	< 4	13.07	< 20	< 20
7/23/2001	< 100	< 3.0	< 3.0	0.77	5.59	-	371	-	210	< 4	13.8	< 20	< 20
10/16/2001	< 100	< 3.0	< 3.0	7.26	6.14	-	352	-	231	< 4	11.9	< 20	< 20
1/23/2002	< 100	< 3.0	< 3.0	7.43	6.32	38,400	320	79.2	256	< 4	2.6	< 20	< 20
4/9/2002	< 100	< 3.0	< 3.0	-	5.36	-	529	-	257	< 4	8.6	< 20	< 20
7/18/2002	< 100	< 3.0	< 3.0	6.49	6.13	-	341	-	217	< 4	7.2	< 20	< 20
10/15/2002	< 100	3.9	< 3.0	2.65	5.22	-	311	-	165	< 4	7.5	< 20	< 20
1/30/2003	< 100	< 3.0	< 3.0	6.00	5.37	20,900	132	42.7	122	15	4.4	< 20	< 20
4/16/2003	< 100	8.1	< 3.0	3.20	5.56	-	94	-	155	50	< 1.33	< 20	< 20
7/24/2003	< 100	< 3.0	< 3.0	-	5.39	-	132	-	95	11	< 1.33	< 20	< 20
10/29/2003	< 100	4.3	< 3.0	2.10	5.44	-	229	-	173	< 4	7.04	< 20	< 20
1/22/2004	< 100	6.0	< 3.0	8.10	5.24	18,700	122	28.7	182	96	4.24	< 20	< 20
4/29/2004	<100✓	<3.0✓	<3.0✓	-	5.37	-	153	-	115✓	5✓	5.30	<20✓	<20✓

- Denotes Not Analyzed < Denotes Not Detected

Values in **bold** font exceed the site specific Groundwater Quality Criteria for Lead (10 ug/l) or Zinc (36.7 ug/l).

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

CN 029
Trenton, New Jersey 08625-029

SAMPLE COLLECTION AND PRESERVATION FORM

(To be completed by sampling crew)

BACKGROUND

1) Facility Name: Lenox China

2) NJPDES Number: NJ0086487

3) Facility Address: Tilton Road, Pomona, NJ 08240

4) Owner's Name: Lenox China

5) Owner's Address: Tilton Road, Pomona, NJ 08240

SAMPLING PLAN

6) Has a sampling and analysis plan been developed for this facility as stipulated under N.J.A.C. 7:14A-6.9?
Yes X or No

7) If yes, has the sampling plan been approved by the Department?
Yes X or No

8) If the sampling plan has not been submitted to the Department, attach with these submitted forms.

SAMPLE COLLECTION

9) Sample Date/Time: 04/27/04 – 04/29/04

10)

Sampling Personnel (Name/Title)	Affiliation	Phone
Robyn Berner, Hydrogeologist	Gannett Fleming, Inc.	609-279-9140
Suzy Kelly, Environmental Engineer	Gannett Fleming, Inc.	609-279-9140

11) Weather conditions at the time of sampling: Sunny, 50 degrees F

12) Is there a designated level of protection, and if so, indicate:
A_____ B_____ C_____ or D X

STATIC WATER LEVEL MEASUREMENT AND WELL EVACUATION

13) What method was utilized to determine the static water level?
Electrical (m-scope) X Stainless Steel Tape _____
Sonic _____ or Other _____: (explain) _____

14) Measuring Device Precise to: 0.01 feet

15) Model Number: 101 Manufacturer: Solinst

16) Was the water level indicator deconned between wells?
Yes X or No_____

17) Describe the decontamination procedure: Deionized water rinse, wipe with paper towel, final deionized water rinse, air dry

18) Wells are to be purged three to five times prior to sampling. If wells are not purged as stated above, explain and justify the exact purge method used.
N/A

19) Method used for well evacuation: Pump X or Bailer_____

20) If bailed to evacuate, what are the dimensions of the bailer?
N/A

21) What is the volume capacity of the bailer? N/A

22) Pump Type: Submersible_____ Bladder_____ Gas Piston_____
Gas Displacement_____ or Other X
Explain: Peristaltic Pump

23) Pump Model Number / Flow Rate: Randolph Pump Model 750/1-6 gpm

24) Pump manufacturer: Randolph-Austin

25) Describe decontamination method used to clean pump between wells:
None - A new piece of tubing was used at each monitoring well

26) Power source for pump: Gasoline Powered generator_____
Gasoline Powered compressor___Propane Powered Engine__X____

27) Was the gasoline transported in the same vehicle as the sample bottles, field and trip blanks, or bailers?
Yes_____ or No__X___

28) Refer to the following chart for volume capacities for various wells per linear foot.

Casing Diameter	Gallons/Linear Foot
2"	0.16
4"	0.65
6"	1.47
8"	2.61

29) Complete the below chart regarding evacuation measurements. Please note the following abbreviations: TOC=elevation of top of casing; TDW=total depth of well from from top of casing; DTW=distance to water from top of casing; # of bail vols=number of bail volumes. TOC, DTW, and TDW Should be measured and/or calculated to the nearest 0.01 foot. Also note that if a mechanical pump is used for purging, indicate the total minutes of pumping time below. If a bailer is used for purging, indicate the total number of bail volumes. Attach additional sheets if necessary.

SEE TABLE QAQC1 ON PAGE 3A

Well Permit No./Owners Well No.	TOC	DTW	TOC-DTW	TDW	gal./Lin. ft.	Amount of H2O in Casing	Amount of H2O Purged	# of Bail Vols	Minutes pumping time	Time purge comp-lete	Time Sample Col-lected

Table QAQC1
State of New Jersey
Department of Environmental Protection
Division of Water Resources
Groundwater Sampling Data Collected April 28-29, 2004

Well Permit Number	Owners Well Number	TOC (Feet)	DTW (Feet)	TOC-DTW (Feet)	TDW (Feet)	Gallons per linear foot	Amount of Water in Casing (gallons)	Amount of Water Purged (gallons)	Number of Bail Volumes	Minutes pumping time	Time purge completed	Time sample collected
36-03025-2	MW-1	69.28	8.43	60.85	29.75	0.65	13.9	42	-	13	9:07	9:07
36-03027-9	MW-3	67.09	7.16	59.93	30.40	0.65	15.1	46	-	15	15:09	15:09
36-03119-4	MW-4	66.98	4.70	62.28	26.80	0.65	14.4	44	-	14	9:34	9:34
36-02913-0	MW-5	64.17	-	-	17.95	-	-	Not Sampled	-	-	-	-
36-03270-1	MW-6	65.08	5.97	59.11	30.75	0.65	16.1	50	-	14	10:21	10:21
36-07160-9	MW-9	69.51	10.08	59.43	31.15	0.65	13.7	42	-	13	9:54	9:54
36-07161-7	MW-10	63.51	4.55	58.96	29.30	0.65	16.1	50	-	14	10:43	10:43

SAMPLE COLLECTION AND PRESERVATION

30) Matrices Sampled:
Aqueous: Potable Well_____ Monitoring Well__X__
Surface Water_____ Leachate_____ Other_____
Nonaqueous: Soil_____ Sediment_____ Other_____

31) Dedicated Hose: Yes__X__ or No_____

32) Hose Construction: PVC_____ Teflon_____ Tygon_____
Butyl_____ Other__X__ Explain: Drinking water grade polyethylene

33) Sample Collection: (Time of collection for each well/sample should be indicated on the back of this page) See table QAQC1 on page 3A
A) Bailer-construction: Teflon_____ Stainless Steel_____
PVC_____ HDPE _X_____
B) Beacon Bomb Sampler_____ Size:_____oz.
C) Other_____ Explain:_____
_____

34) Lines used to lower bailer: Stainless Steel_____
Cable/Leader_____ Teflon_____ PVC Rope_____ Other 100% poly

35) Are dedicated bailers used for each well? Yes__X__ or No____

36) Are bailers: Laboratory cleaned_____ Laboratory Name_____
Field Cleaned_____ Describe method:_____
Disposable bailers used only once then discarded.
_____

37) Prior to use, are bailers, sample bottles, hoses, etc. Kept clean i.e., not placed in direct contact with ground, etc.:
Yes__X__ or No_____

38) Are sample bottles supplied by laboratory? Yes__X__ or No____

39) Are sample preservation instructions supplied by laboratory?
Yes__X__ or No_____

40) Are sample preservatives supplied by laboratory? Yes__X__ or No_____

41) Sample Preservation:

Constituent	Teflon top in contact with sample	Head Space	Refrig-erated	Acidified	Alkanized	Bottles
Volatile Organics	Yes	No	Yes	Yes	N/A	N/A
TOX	N/A	N/A	N/A	N/A	N/A	N/A
Extractable Organics	N/A	N/A	N/A	N/A	N/A	N/A
Metals	N/A	N/A	Yes	Yes	N/A	N/A
Cyanide	N/A	N/A	N/A	N/A	N/A	N/A
Phenols	N/A	N/A	N/A	N/A	N/A	N/A
Biological	N/A	N/A	N/A	N/A	N/A	N/A

42) Indicate below any other constituents to be analyzed and their forms of preservation: TDS, TSS, color – refrigerated

43) Were samples for metals analysis filtered in field? Yes X or No_____

44) Were samples for metals analysis filtered in laboratory? Yes_____ or No X

45) Were field blanks taken? Yes X or No_____

46) Were trip blanks taken? Yes X or No_____

47) What parameters/analysis were performed on field and trip blanks? Volatile Organics X (FB,TB) Semi-volatile_____ Pesticides_____ PCBs_____ Metals X (FB) Other TDS, TSS, color

48) Prior to sampling, was an equipment blank performed? Yes_____ No X Sampling equipment is dedicated per well.

49) Prior to sampling each well, are disposable gloves worn? Yes X or No_____

50) If yes, are the gloves changed between wells? Yes X or No_____

CHAIN OF CUSTODY

51) Laboratory Name/Certification Number Accutest / 12129

52) Laboratory Address 2235 Route 130, Dayton, New Jersey 08810

53) Laboratory receipt date and time 04/29/04, 15:15

54) Attach Chain of Custody: Yes X or No

Sample Number	Relinquished by	Received by	Time	Date	Reason for change of custody
MW-1, MW-3, MW-4, MW-6, MW-9, MW-10, MW-2, FB, TB	R. Berner	Accutest	15:15	04/29/04	Relinquished to lab

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information contained in this report, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete and meets the description specified in N.J.A.C. 7:14A-2.5(a)10, and 6.1 through 6.12. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Sampler

Name/Title (printed) Robyn Berner, Hydrogeologist

Signature Robyn Berner Date: 6/8/04

Company Name and Address Gannett Fleming; 202 Wall Street, Princeton, NJ 08540

Notes:

1. The sampling team may use their own reporting forms only if the forms contain all the information required in this sample collection and preservation form.

2. If any of the items within this sample collection and preservation form vary for different monitor wells, the information must be documented within this form or as attachments to this form.

CHAIN OF CUSTODY

ACCUTEST Laboratories

6W, FB, TB

2235 Route 130, Dayton NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # N65845

Client / Reporting Information

Company Name: Gannett Fleming
Address: 202 Wall St.
City: Princeton State: NJ Zip:
Project Contact: Robyn Berner E-mail:
Phone #: 609-279-9140
Sampler's Name:

Project Information

Project Name: Lenox NJPDES
Street: Tilton Rd.
City: Pomona State: NJ
Project #: 42430.001
Fax #:
Client Purchase Order #:

Requested Analysis

8260 ☐ 624 ☐ 8021 ☐ 602 ☐ PAUG ☐ PALG ☐ BTEX ☐ MTBE ☐ TBA ☐
8260 ☐ 624 ☐ TCL ☐ PPL ☐ STARS ☐ MTBE ☐ TBA ☐ NAP ☐ +10 ☐ +15 ☐
8270 ☐ 625 ☐ TCL ☐ PPL ☐ STARS ☐ ABN ☐ BN ☐ PAH ☐ PADF ☐ +TICs ☐
Color
Total Pb/Zn
Dissolved Pb/Zn
Total Fe
Dissolved Fe
TDS/TSS

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	None	NaHSO4	MeOH	EnCore	LAB USE ONLY
-1F	mw-1		4/29/04	9:07	RB	GW	7	5		2		2				AMETS, WC22
-2F	mw-3		4/28/04	15:09			3			2		1				822
-3F	mw-4		4/29/04	9:34			3			2		1				AMETS, WC22
-4F	mw-6			10:21			3			2		1				
-5F	mw-9			9:54			3			2		1				
-6F	mw-10			10:43			7	3		2		2				
-7F	mw-2			10:43			7	3		2		2				
-8F	FB		↓	11:07		LQ	6	2		2		2				
-9	TB		4/22/04	15:00	-	LQ	2	2								

Turnaround Time (Business Days)

☒ Std. 15 Business Days — Approved By: / Date:
☐ 10 Day *RUSH*
☐ 5 Day *RUSH*
☐ 3 Day *EMERGENCY*
☐ 2 Day *EMERGENCY*
☐ 1 Day *EMERGENCY*
☐ Other

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

☐ Commercial "A"
☐ Commercial "B"
☒ NJ Reduced
☐ NJ Full
☐ Other .....
☐ FULL CLP
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☒ EDD Format ___

Commercial "A" = Results Only

Comments / Remarks

QAQC Forms B & C + signatures
+ Time on labels. @ 7/29/04

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1 Robyn Berner	4/29/04 1545	1	2		2
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
3		3	4		4
Relinquished by:	Date Time:	Received by:	Custody Seal #	Preserved where applicable	On Ice	Cooler Temp.
5		5		☐ NA	☐	3.2, 2.6

iB

TPr

NB5845

LABORATORY SAMPLE CHAIN OF CUSTODY/CHRONICLE FOR NJPDES COMPLIANCE MONITORING

Relinquisher of sample: (please print)

Name: Robyn Berner Signature: Robyn Berner

Company: Gannett Fleming

Title: Hydrogeologist

Date: 4/29/04 Time: 15:15

Laboratory sample recipient: (please print)

Name: M. Popow Signature:

Laboratory Name: Accutest

NJDEP Laboratory Cert. No. _____ Title: Supervisor, Spx. Mgmt.

Date: 4/29/04 Time: 1515

Did samples arrive cold? Yes ✓ or No ___

Were the samples properly preserved? Yes ✓ or No ___

If no, which analyses will be affected: _____

Did sample for the analyses of volatile organics contain headspace? Yes ___ or No ✓

Was the septum in place with the TFE side down? Yes ✓ No ___

N65845

Sample Preparation Chemist

	Name please print	Signature	Date
1. Base/Neutrals			
2. Acids			
3. Pesticides			
4. Herbicides			
5. PCB's			
6. Metals			
7. Other			
8. Other			
9. Other			

Analyst

	Name please print	Signature	Date
1. Base/Neutrals			
2. Acids			
3. Pesticides			
4. Herbicides			
5. PCB's			
6. Metals			
7. Volatiles	Carol B. Diaz	Carol B. Diaz	5/8/2004
8. TOC			
9. TOX			
10. Phenols (total)			
11. Cyanide (total)			
12. Other			
13. Other			
14. Other			
15. Other			

N65845

Sample Preparation Chemist

	Name please print	Signature	Date
1. Base/Neutrals			
2. Acids			
3. Pesticides			
4. Herbicides			
5. PCB's			
6. Metals	Jieyu Wang	Jieyu Wang	5-11-04
7. Other			
8. Other			
9. Other			

Analyst

	Name please print	Signature	Date
1. Base/Neutrals			
2. Acids			
3. Pesticides			
4. Herbicides			
5. PCB's	Nancy Duan		5/14/04
6. Metals	Nancy Duan		5/17/04
7. Volatiles			
8. TOC			
9. TOX			
10. Phenols (total)			
11. Cyanide (total)			
12. Other			
13. Other			
14. Other			
15. Other			

N65845

Sample Preparation Chemist

	Name please print	Signature	Date
1. Base/Neutrals			
2. Acids			
3. Pesticides			
4. Herbicides			
5. PCB's			
6. Metals			
7. Other			
8. Other			
9. Other			

Analyst

	Name please print	Signature	Date
1. Base/Neutrals			
2. Acids			
3. Pesticides			
4. Herbicides			
5. PCB's			
6. Metals			
7. Volatiles			
8. TOC			
9. TOX			
10. Phenols (total)			
11. Cyanide (total)			
12. Other (Color)	Laura Earomirski	(LE) Laura B Earomirski	5/25/04
13. Other (TDS)	Natalie Romanoff	(NR) N. Romanoff	5.25.04
14. Other (TSS)	Natalie Romanoff	(NR) N. Romanoff	5-25-04
15. Other			

N65845

Did any of the sample extractions and/or analyses exceed holding times? Yes____ No X

If yes, which analyses will be affected:

_____
_____
_____

If re-extraction and/or re-analysis is necessary, indicate the reason and attach another Laboratory Chain of Custody/Chronicle with the appropriate signatures and dates.

Quality Assurance Officer

Name (please print)	Signature	Date
David W. Spees	David W. Spees	24 May 04

N65845

LABORATORY AUTHENTICATION STATEMENT FOR NJPDES COMPLIANCE MONITORING

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality control requirements specified in N.J.A.C. 7:18, 40 CFR 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

WELL SAMPLING LOG	Gannett Fleming 202 Wall Street Princeton, New Jersey 08540 (609) 279-9140 (Telephone) (609) 279-9436 (Facsimile)

I. General Information:

Client Name: Lenox China, Pomona, NJ

Project No.: 42430.001

Project Name: NJPDES Quarterly Monitoring

Sampled By: RB/SK

Well No.: MW-1

Well Use: Monitoring

Sample ID: MW-1 **Sample Date**: 4/29/04 **Sample Time**: 09:07

II. Well Information:

PID Reading: -

Well Diameter: 4 inches

Static Depth to Water: 8.43 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Total Well Depth: 29.75 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Δ h: 21.32 feet

Volume of Standing Water: 13.86 gallons

Volume to be removed: 41.58 gallons

Actual Volume removed: 42.00 gallons

III. Sampling Information:

Purging Method:

☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 3.2 gpm **Purge Time**: 13 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (ms)	D. O. (ppm)	Temp. (°C)
08:56	10	5.25	0.094	-	10.1
08:59	20	5.20	0.087	-	10.0
09:02	30	5.18	0.090	-	10.0
09:05	40	5.15	0.090	-	10.1

Depth to water after purge: 8.44 ft. below m.p. **Time**: 09:07

Depth to water prior to sampling: 8.44 ft. below m.p. **Time**: 09:07

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____

Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:

Sample Parameters: Voc, Metals, Color, TDS/TSS

Metals: ☒ Filtered ☒ Unfiltered

Laboratory: Accutest **Date Shipped**: 4/29/04

WELL SAMPLING LOG	Gannett Fleming 202 Wall Street Princeton, New Jersey 08540 (609) 279-9140 (Telephone) (609) 279-9436 (Facsimile)

I. General Information:

Client Name: Lenox China, Pomona, NJ

Project No.: 42430.001

Project Name: NJPDES Quarterly Monitoring

Sampled By: RB/SK

Well No.: MW-3

Well Use: Monitoring

Sample ID: MW-3 **Sample Date**: 4/28/04 **Sample Time**: 15:09

II. Well Information:

PID Reading: -

Well Diameter: 4 inches

Static Depth to Water: 7.16 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Total Well Depth: 30.40 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Δ h: 23.24 feet

Volume of Standing Water: 15.11 gallons

Volume to be removed: 45.33 gallons

Actual Volume removed: 46.00 gallons

III. Sampling Information:

Purging Method:

☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 3.1 gpm **Purge Time**: 15 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (ms)	D. O. (ppm)	Temp. (°C)
14:57	10	5.55	0.453	-	13.9
15:00	20	5.58	0.434	-	13.6
15:03	30	5.56	0.446	-	13.5
15:06	40	5.58	0.440	-	13.5

Depth to water after purge: 7.17 ft. below m.p. **Time**: 15:09

Depth to water prior to sampling: 7.17 ft. below m.p. **Time**: 15:09

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____

Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:

Sample Parameters: Metals, Color

Metals: ☒ Filtered ☒ Unfiltered

Laboratory: Accutest **Date Shipped**: 4/29/04

WELL SAMPLING LOG	Gannett Fleming 202 Wall Street Princeton, New Jersey 08540 (609) 279-9140 (Telephone) (609) 279-9436 (Facsimile)

I. General Information:

Client Name: Lenox China, Pomona, NJ

Project No.: 42430.001

Project Name: NJPDES Quarterly Monitoring

Sampled By: RB/SK

Well No.: MW-4

Well Use: Monitoring

Sample ID: MW-4 **Sample Date**: 4/29/04 **Sample Time**: 09:34

II. Well Information:

PID Reading: -

Well Diameter: 4 inches

Static Depth to Water: 4.70 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Total Well Depth: 26.80 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Δ h: 22.10 feet

Volume of Standing Water: 14.37 gallons

Volume to be removed: 43.11 gallons

Actual Volume removed: 44.00 gallons

III. Sampling Information:

Purging Method:

☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 3.1 gpm **Purge Time**: 14 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (ms)	D. O. (ppm)	Temp. (°C)
09:23	10	5.93	0.233	-	14.0
09:26	20	5.89	0.243	-	13.8
09:28	30	5.80	0.248	-	13.9
09:31	40	5.79	0.250	-	13.9

Depth to water after purge: 4.72 ft. below m.p. **Time**: 09:34

Depth to water prior to sampling: 4.72 ft. below m.p. **Time**: 09:34

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____

Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:

Sample Parameters: Metals, Color

Metals: ☒ Filtered ☒ Unfiltered

Laboratory: Accutest **Date Shipped**: 4/29/04

WELL SAMPLING LOG	Gannett Fleming 202 Wall Street Princeton, New Jersey 08540 (609) 279-9140 (Telephone) (609) 279-9436 (Facsimile)

***I. General Information*:**

Client Name: Lenox China, Pomona, NJ

Project No.: 42430.001

Project Name: NJPDES Quarterly Monitoring

Sampled By: RB/SK

Well No.: MW-6

Well Use: Monitoring

Sample ID: MW-6 **Sample Date**: 4/29/04 **Sample Time**: 10:21

***II. Well Information*:**

PID Reading: -

Well Diameter: 4 inches

Static Depth to Water: 5.97 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Total Well Depth: 30.75 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Δ h: 24.78 feet

Volume of Standing Water: 16.11 gallons

Volume to be removed: 48.33 gallons

Actual Volume removed: 50.00 gallons

III. Sampling Information:

Purging Method:

☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 3.6 gpm

Purge Time: 14 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (ms)	D. O. (ppm)	Temp. (°C)
10:09	10	4.15	0.097	-	13.6
10:11	20	4.15	0.117	-	13.9
10:14	30	4.19	0.128	-	14.1
10:17	40	4.21	0.142	-	14.1
10:20	50	4.19	0.152	-	14.1

Depth to water after purge: 6.00 ft. below m.p. **Time**: 10:21

Depth to water prior to sampling: 6.00 ft. below m.p. **Time**: 10:21

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____

Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:

Sample Parameters: Metals, Color

Metals: ☒ Filtered ☒ Unfiltered

Laboratory: Accutest **Date Shipped**: 4/29/04

WELL SAMPLING LOG	Gannett Fleming 202 Wall Street Princeton, New Jersey 08540 (609) 279-9140 (Telephone) (609) 279-9436 (Facsimile)

I. General Information:

Client Name: Lenox China, Pomona, NJ

Project No.: 42430.001

Project Name: NJPDES Quarterly Monitoring

Sampled By: RB/SK

Well No.: MW-9

Well Use: Monitoring

Sample ID: MW-9 **Sample Date**: 4/29/04 **Sample Time**: 09:54

II. Well Information:

PID Reading:

Well Diameter: 4 inches

Static Depth to Water: 10.08 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Total Well Depth: 31.15 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Δ h: 21.07 feet

Volume of Standing Water: 13.70 gallons

Volume to be removed: 41.10 gallons

Actual Volume removed: 42.00 gallons

III. Sampling Information:

Purging Method:

☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 3.2 gpm **Purge Time**: 13 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (ms)	D. O. (ppm)	Temp. (°C)
09:43	10	6.30	0.432	-	14.8
09:46	20	5.95	0.296	-	15.3
09:49	30	5.86	0.264	-	15.5
09:52	40	5.83	0.252	-	15.5

Depth to water after purge: 10.10 ft. below m.p. **Time**: 09:54

Depth to water prior to sampling: 10.10 ft. below m.p. **Time**: 09:54

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____

Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:

Sample Parameters: Metals, Color

Metals: ☒ Filtered ☒ Unfiltered

Laboratory: Accutest **Date Shipped**: 4/29/04

WELL SAMPLING LOG	Gannett Fleming 202 Wall Street Princeton, New Jersey 08540 (609) 279-9140 (Telephone) (609) 279-9436 (Facsimile)

I. General Information:

Client Name: Lenox China, Pomona, NJ

Project No.: 42430.001

Project Name: NJPDES Quarterly Monitoring

Sampled By: RB/SK

Well No.: MW-10

Well Use: Monitoring

Sample ID: MW-10/MW-2 **Sample Date**: 4/29/04 **Sample Time**: 10:43 ✓

II. Well Information:

PID Reading: -

Well Diameter: 4 inches

Static Depth to Water: 4.55 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Total Well Depth: 29.30 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Δ h: 24.75 ✓ feet

Volume of Standing Water: 16.09 gallons

Volume to be removed: 48.27 gallons

Actual Volume removed: 50.00 ✓ gallons

III. Sampling Information:

Purging Method:

☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 3.6 gpm

Purge Time: 14 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (ms)	D. O. (ppm)	Temp. (°C)
10:32	10	5.25	0.081	-	14.7
10:34	20	5.31	0.092	-	15.0
10:37	30	5.36	0.113	-	15.1
10:39	40	5.33	0.137	-	15.2
10:42	50	5.37	0.153	-	15.2

Depth to water after purge: 4.56 ft. below m.p. **Time**: 10:43

Depth to water prior to sampling: 4.56 ft. below m.p. **Time**: 10:43 ✓

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____

Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:

Sample Parameters: Voc, Metals, Color, TDS/TSS

Metals: ☒ Filtered ☒ Unfiltered

Laboratory: Accutest **Date Shipped**: 4/29/04

NE W JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

Form T-VWX-14

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES No. 0 0 8 6 4 8 7

REPORTING PERIOD MO YR 0 4 0 4 thru MO YR 0 6 0 4

PERMITEE: Name LENOX INCORPORATED
Address 100 LENOX DRIVE
LAWRENCEVILLE, NEW JERSEY 08648

FACILITY: Name LENOX CHINA, A DIVISION OF LENOX INCORPORATED
Address TILTON ROAD
POMONA, NEW JERSEY 08240 (County) ATLANTIC
Telephone (609) 965-8272

FORMS ATTACHED ***(Indicate Quantity of Each)***

SLUDGE REPORTS - SANITARY

☐ T-VWX-007 ☐ T-VWX-008 ☐ T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

☐ T-VWX-010A ☐ T-VWX-010B

WASTEWATER REPORTS

☐ T-VWX-011 ☐ T-VWX-012 ☐ T-VWX-013A

GROUNDWATER REPORT *(As per permit)*

☒ 7 VWX-015 ☐ VWX-016 ☐ VWX-017

NJPDES DISCHARGE MONITORING REPORT

☐ EPA FORM 3320-01

OPERATING EXCEPTIONS

	YES	NO
DYE TESTING	☐	☐
TEMPORARY BYPASSING	☐	☐
DISINFECTION INTERRUPTION	☐	☐
MONITORING MALFUNCTIONS	☐	☐
UNITS OUT OF OPERATION	☐	☐
OTHER	☐	☐

(Detail any "yes" on reverse side in appropriate space.)

AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment

LICENSED OPERATOR

Name _____

Grade & Registry No. _____

Signature _____

PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVE

Name JOHN F. KINKELA

Title DIR. OF ENVIRONMENTAL ENGINEERING

Signature John F. Kinkela

NE W JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

Form T-VWX-14

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES No. 0 0 8 6 4 8 7

REPORTING PERIOD MO YR 0 4 0 4 thru MO YR 0 6 0 4

PERMITEE: Name LENOX INCORPORATED
Address 100 LENOX DRIVE
LAWRENCEVILLE, NEW JERSEY 08648

FACILITY: Name LENOX CHINA, A DIVISION OF LENOX INCORPORATED
Address TILTON ROAD
POMONA, NEW JERSEY 08240 (County) ATLANTIC
Telephone (609) 965-8272

FORMS ATTACHED ***(Indicate Quantity of Each)***

SLUDGE REPORTS - SANITARY

☐ T-VWX-007 ☐ T-VWX-008 ☐ T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

☐ T-VWX-010A ☐ T-VWX-010B

WASTEWATER REPORTS

☐ T-VWX-011 ☐ T-VWX-012 ☐ T-VWX-013A

GROUNDWATER REPORT *(As per permit)*

☐ 7 VWX-015 ☐ VWX-016 ☐ VWX-017

NJPDES DISCHARGE MONITORING REPORT

☐ EPA FORM 3320-01

OPERATING EXCEPTIONS

	YES	NO
DYE TESTING	☐	☐
TEMPORARY BYPASSING	☐	☐
DISINFECTION INTERRUPTION	☐	☐
MONITORING MALFUNCTIONS	☐	☐
UNITS OUT OF OPERATION	☐	☐
OTHER	☐	☐

(Detail any "yes" on reverse side in appropriate space.)

AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment

LICENSED OPERATOR

Name _____

Grade & Registry No. _____

Signature _____

PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVE

Name JOHN F. KINKELA

Title DIR. OF ENVIRONMENTAL ENGINEERING

Signature John F. Kinkela

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTEWATER FACILITIES REGULATION PROGRAM

Form VWX-15A

GROUNDWATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN — OWNER'S WELL ID No. MW-1

FACILITY NAME: LENOX CHINA — SW ID No.:

LAB NAME: ACCUTEST, DAYTON, NJ

NJPDES No.: S NJ 0 0 8 6 4 8 7 (1, 2–8) — WELL PERMIT No.: 3 6 - 0 3 0 2 5 - 2 (9, 16)

SAMPLE DATE: YR MO DAY: 0 4 0 4 2 9 (17–22) — NJ LAB CERT No.: 1 2 1 2 9 (23–27) — WQM USE: (28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 4 0 4 (MO YR) 0 6 0 4 (MO YR)

SUBMIT WITH SIGNED T-VWX-014

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANALYSIS	UNITS	PARAMETER	VALUE	REM
X			X			X			X			Elev. of top of well casing with cap off (as specified in well completion report)	feet Msl: to nearest 0.01	72110	69.28	
X			X			X			X			Elev. of original ground level (as specified in well completion report)	feet Msl: to nearest 0.01	72009	67.00	
X			X			X			X			Depth to water table from top of casing prior to sampling (with cap off)	feet: to nearest 0.01	82546	8.43	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest 0.02	72019	6.15	
X												Sodium, Total	mg/l as Na	80235		
X			X			X			X			Lead, Total	ug/l as Pb	01051	3.0	K
X			X			X			X			Zinc, Total	ug/l as Zn	01092	20.0	K
X												Sodium, Dissolved	mg/l as Na	80235		
X			X			X			X			Lead, Dissolved	ug/l as Pb	01051	3.0	K
X			X			X			X			Zinc, Dissolved	ug/l as Zn	01092	20.0	K
X			X			X			X			Total Dissolved Solids	ppm	70300	660	
X			X			X			X			Color	pt-co	00080	50.0	
X			X			X			X			pH	std. units	00400	5.15	
X			X			X			X			Conductance, Specific	umhos/cm	00095	90.0	
X			X			X			X			Dissolved Oxygen	mg/l			
X												Sulfate, Dissolved (as SO_4)	mg/l	00946		
X												Nitrogen, Ammonia Dissolved NH_3+NH_4 as N	mg/l as N	00608		

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTEWATER FACILITIES REGULATION PROGRAM

Form VWX-15A

GROUNDWATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID No. MW-3

FACILITY NAME	SW ID No.
LENOX CHINA	
LAB NAME	
ACCUTEST, DAYTON, NJ	

NJPDES No. S NJ 0086487 (1, 2–8) | WELL PERMIT No. 36-0302 7-9 (9, 16) | SAMPLE DATE YR MO DAY 040428 (17–22) | NJ LAB CERT No. 12129 (23–27) | WQM USE (28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 04 04 (MO YR) 06 04 (MO YR)

SUBMIT WITH SIGNED T-VWX-014

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANALYSIS	UNITS	PARAMETER	VALUE	REM
X			X			X			X			Elev. of top of well casing with cap off (as specified in well completion report)	feet Msl: to nearest 0.01	72110	67.09	
X			X			X			X			Elev. of original ground level (as specified in well completion report)	feet Msl: to nearest 0.01	72009	65.00	
X			X			X			X			Depth to water table from top of casing prior to sampling (with cap off)	feet: to nearest 0.01	82546	7.16	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest 0.02	72019	5.07	✓
X												Sodium, Total	mg/l as Na	80235		
X			X			X			X			Lead, Total	ug/l as Pb	01051	53.9	✓
X			X			X			X			Zinc, Total	ug/l as Zn	01092	4350	✓
X												Sodium, Dissolved	mg/l as Na	80235		
X			X			X			X			Lead, Dissolved	ug/l as Pb	01051	47.5	✓
X			X			X			X			Zinc, Dissolved	ug/l as Zn	01092	4170	✓
X												Total Dissolved Solids	ppm	70300		
X			X			X			X			Color	pt-co	00080	15.0	✓
X			X			X			X			pH	std. units	00400	5.58	✓
X			X			X			X			Conductance, Specific	umhos/cm	00095	440.0	✓
X			X			X			X			Dissolved Oxygen	mg/l			
X												Sulfate, Dissolved (as SO_4)	mg/l	00946		

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTEWATER FACILITIES REGULATION PROGRAM

Form VWX-15A

GROUNDWATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID No. MW-4

FACILITY NAME	SW ID No.
LENOX CHINA	
LAB NAME	
ACCUTEST, DAYTON, NJ	

NJPDES No. S NJ 0 0 8 6 4 8 7 (cols 1–8)

WELL PERMIT No. 3 6 - 0 3 1 1 9 - 4 (cols 9–16)

SAMPLE DATE YR MO DAY: 0 4 0 4 2 9 (cols 17–22)

NJ LAB CERT No.: 1 2 1 2 9 (cols 23–27)

WQM USE: ☐ (col 28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 4 0 4 MO YR 0 6 0 4 MO YR

SUBMIT WITH SIGNED T-VWX-014

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANALYSIS	UNITS	PARAMETER	VALUE	REM
X			X			X			X			Elev. of top of well casing with cap off (as specified in well completion report)	feet Msl: to nearest 0.01	72110	66.98	
X			X			X			X			Elev. of original ground level (as specified in well completion report)	feet Msl: to nearest 0.01	72009	65.00	
X			X			X			X			Depth to water table from top of casing prior to sampling (with cap off)	feet: to nearest 0.01	82546	4.70	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest 0.02	72019	2.72	✓
X												Sodium, Total	mg/l as Na	80235		
X			X			X			X			Lead, Total	ug/l as Pb	01051	13.7	✓
X			X			X			X			Zinc, Total	ug/l as Zn	01092	68.3	✓
X												Sodium, Dissolved	mg/l as Na	80235		
X			X			X			X			Lead, Dissolved	ug/l as Pb	01051	11.3	✓
X			X			X			X			Zinc, Dissolved	ug/l as Zn	01092	60.5	✓
X												Total Dissolved Solids	ppm	70300		
X			X			X			X			Color	pt-co	00080	20.0	✓
X			X			X			X			pH	std. units	00400	5.79	✓
X			X			X			X			Conductance, Specific	umhos/cm	00095	250.0	✓
X			X			X			X			Dissolved Oxygen	mg/l			
X												Sulfate, Dissolved (as SO_4)	mg/l	00946		

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
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Form VWX-15A

GROUNDWATER ANALYSIS - MONITORING WELL REPORT

OWNER'S WELL ID No. MW-5

FACILITY NAME	SW ID No.
LENOX CHINA	MW-5
LAB NAME	
ACCUTEST, DAYTON, NJ	

NJPDES No. R NJ 0 0 8 6 4 8 7 (cols 1–8) | WELL PERMIT No. 3 6 - 0 2 9 1 3 - 0 (cols 9–16) | SAMPLE DATE YR MO DAY 0 4 0 4 2 7 (cols 17–22) | NJ LAB CERT No. 1 2 1 2 9 (cols 23–27) | WQM USE ☐ (col 28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 4 0 4 (MO YR) 0 6 0 4 (MO YR)

SUBMIT WITH SIGNED T-VWX-014

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANALYSIS	UNITS	PARAMETER	VALUE	REM
X			X			X			X			Elev. of top of well casing with cap off (as specified in well completion report)	feet Msl: to nearest 0.01	72110	64.17	
X			X			X			X			Elev. of original ground level (as specified in well completion report)	feet Msl: to nearest 0.01	72009	63.00	
X			X			X			X			Depth to water table from top of casing prior to sampling (with cap off)	feet: to nearest 0.01	82546	5.78	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest 0.02	72019	4.61	

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GROUNDWATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID No. MW-6

FACILITY NAME	SW ID No.
LENOX CHINA	
LAB NAME	
ACCUTEST, DAYTON, NJ	

NJPDES No. S NJ 0 0 8 6 4 8 7 (1, 2–8)

WELL PERMIT No. 3 6 - 0 3 2 7 0 - 1 (9, 16)

SAMPLE DATE: YR MO DAY 0 4 0 4 2 9 (17–22)

NJ LAB CERT No. 1 2 1 2 9 (23–27)

WQM USE ☐ (28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 4 0 4 (MO YR) 0 6 0 4 (MO YR)

SUBMIT WITH SIGNED T-VWX-014

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANALYSIS	UNITS	PARAMETER	VALUE	REM
X			X			X			X			Elev. of top of well casing with cap off (as specified in well completion report)	feet Msl: to nearest 0.01	72110	65.08	
X			X			X			X			Elev. of original ground level (as specified in well completion report)	feet Msl: to nearest 0.01	72009	63.00	
X			X			X			X			Depth to water table from top of casing prior to sampling (with cap off)	feet: to nearest 0.01	82546	5.97	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest 0.02	72019	3.89	
X												Sodium, Total	mg/l as Na	80235		
X			X			X			X			Lead, Total	ug/l as Pb	01051	3.0	K
X			X			X			X			Zinc, Total	ug/l as Zn	01092	20.0	K
X												Sodium, Dissolved	mg/l as Na	80235		
X			X			X			X			Lead, Dissolved	ug/l as Pb	01051	3.0	K
X			X			X			X			Zinc, Dissolved	ug/l as Zn	01092	20.0	K
X												Total Dissolved Solids	ppm	70300		
X			X			X			X			Color	pt-co	00080	5.0	
X			X			X			X			pH	std. units	00400	4.19	
X			X			X			X			Conductance, Specific	umhos/cm	00095	152.0	
X			X			X			X			Dissolved Oxygen	mg/l			
X												Sulfate, Dissolved (as SO_4)	mg/l	00946		

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Form VWX-15A

GROUNDWATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN — OWNER'S WELL ID No. MW-9

FACILITY NAME	SW ID No.
LENOX CHINA	
LAB NAME	
ACCUTEST, DAYTON, NJ	

NJPDES No.: S NJ 0 0 8 6 4 8 7 (positions 1, 2–8)

WELL PERMIT No.: 3 6 - 0 7 1 6 0 - 9 (positions 9, 16)

SAMPLE DATE — YR MO DAY: 0 4 0 4 2 9 (positions 17–22)

NJ LAB CERT No.: 1 2 1 2 9 (positions 23–27)

WQM USE: ☐ (position 28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 4 0 4 (MO YR) 0 6 0 4 (MO YR)

SUBMIT WITH SIGNED T-VWX-014

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANALYSIS	UNITS	PARAMETER	VALUE	REM
X			X			X			X			Elev. of top of well casing with cap off (as specified in well completion report)	feet Msl: to nearest 0.01	72110	69.51	
X			X			X			X			Elev. of original ground level (as specified in well completion report)	feet Msl: to nearest 0.01	72009	68.00	
X			X			X			X			Depth to water table from top of casing prior to sampling (with cap off)	feet: to nearest 0.01	82546	10.08	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest 0.02	72019	8.57	✓
X												Sodium, Total	mg/l as Na	80235		
X			X			X			X			Lead, Total	ug/l as Pb	01051	3.0	K ✓
X			X			X			X			Zinc, Total	ug/l as Zn	01092	20.0	K ✓
X												Sodium, Dissolved	mg/l as Na	80235		
X			X			X			X			Lead, Dissolved	ug/l as Pb	01051	3.0	K ✓
X			X			X			X			Zinc, Dissolved	ug/l as Zn	01092	20.0	K ✓
X												Total Dissolved Solids	ppm	70300		
X			X			X			X			Color	pt-co	00080	10.0	✓
X			X			X			X			pH	std. units	00400	5.83	✓
X			X			X			X			Conductance, Specific	umhos/cm	00095	252.0	✓
X			X			X			X			Dissolved Oxygen	mg/l			
X												Sulfate, Dissolved (as SO_4)	mg/l	00946		
X												Nitrogen, Ammonia Dissolved NH_3+NH_4 as N	mg/l as N	00608		

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTEWATER FACILITIES REGULATION PROGRAM

Form VWX-15A

GROUNDWATER ANALYSIS - MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

OWNER'S WELL ID No. MW-10

FACILITY NAME	SW ID No.
LENOX CHINA	
LAB NAME	
ACCUTEST, DAYTON, NJ	

NJPDES No. (cols 1–8): S NJ 0 0 8 6 4 8 7

WELL PERMIT No. (cols 9–16): 3 6 - 0 7 1 6 1 - 7

SAMPLE DATE (cols 17–22): YR 0 4 | MO 0 4 | DAY 2 9

NJ LAB CERT No. (cols 23–27): 1 2 1 2 9

WQM USE (col 28):

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 4 0 4 (MO YR) 0 6 0 4 (MO YR)

SUBMIT WITH SIGNED T-VWX-014

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANALYSIS	UNITS	PARAMETER	VALUE	REM
X			X			X			X			Elev. of top of well casing with cap off (as specified in well completion report)	feet Msl: to nearest 0.01	72110	63.51	
X			X			X			X			Elev. of original ground level (as specified in well completion report)	feet Msl: to nearest 0.01	72009	62.00	
X			X			X			X			Depth to water table from top of casing prior to sampling (with cap off)	feet: to nearest 0.01	82546	4.55	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest 0.02	72019	3.04	✓
X												Sodium, Total	mg/l as Na	80235		
X			X			X			X			Lead, Total	ug/l as Pb	01051	3.0	K ✓
X			X			X			X			Zinc, Total	ug/l as Zn	01092	20.0	K ✓
X												Sodium, Dissolved	mg/l as Na	80235		
X			X			X			X			Lead, Dissolved	ug/l as Pb	01051	3.0	K ✓
X			X			X			X			Zinc, Dissolved	ug/l as Zn	01092	20.0	K ✓
X												Total Dissolved Solids	ppm	70300	115.0	✓
X			X			X			X			Color	pt-co	00080	30.0	✓
X			X			X			X			pH	std. units	00400	5.37	✓
X			X			X			X			Conductance, Specific	umhos/cm	00095	153.0	✓
X			X			X			X			Dissolved Oxygen	mg/l			
X												Sulfate, Dissolved (as SO_4)	mg/l	00946		

3.0 GAC TREATMENT SYSTEM MONITORING PROGRAM (DGW)

Groundwater samples from the GAC unit influent, mid-point, and effluent sampling ports were analyzed for TCE and its breakdown products (1,1-DCE, cis/trans 1,2-DCE, and vinyl chloride), total and dissolved iron, lead, and zinc, TDS, and TSS. The analytical results are summarized in Table 1, Section 3.

The April 2004 GAC monitoring results are summarized below:

- The GAC influent sample contained TCE at 5.9 µg/l. The mid-point and effluent samples did not contain TCE at concentrations exceeding the 0.50 µg/l laboratory reporting limit.

- 1,1-Dichloroethene, cis-1,2,-dichloroethene, trans-1,2-dichloroethene and vinyl chloride were not detected in the influent, mid-point or effluent samples at concentrations greater than their respective laboratory reporting limits.

- Lead concentrations in the unfiltered influent, mid-point and effluent samples were 4.7 µg/l, 1.7 µg/l and 5.5 µg/l, respectively. Lead concentrations in the filtered samples were <1.3 µg/l, <1.3 µg/l and 3.4 µg/l, respectively.

- Zinc concentrations in the unfiltered influent, mid-point and effluent samples were 254 µg/l, 29.0 µg/l and 343 µg/l, respectively. Zinc concentrations in the filtered samples were 81.0 µg/l, 36.4 µg/l and 263 µg/l, respectively.

- Iron concentrations in the unfiltered influent, mid-point and effluent samples were 469 µg/l, <39.2 µg/l and <39.2 µg/l, respectively. Iron concentrations in the filtered samples were <39.2 µg/l in all three samples.

- TDS concentrations in the influent, mid-point and effluent samples were 68 mg/l, 70 mg/l and 70 mg/l, respectively.

- TSS concentration in the influent sample was 3,570 mg/l. TSS concentrations in the mid-point and effluent samples were both less than the laboratory reporting limit of 10 mg/l.

LENOX CHINA FACILITY AND ADJACENT AREA
POMONA, NEW JERSEY

TABLE 1 SECTION 3

GAC TREATMENT SYSTEM SAMPLING RESULTS, APRIL 2004

Sample ID Sample Date	Permit Limits	PO-GAC-INF 4/8/2004		PO-GAC-MID 4/8/2004		PO-GAC-EFF 4/8/2004		Percent Removal
Volatile Organic Compounds (µg/l)								
Trichloroethene (TCE)	1.0	**5.9**	✓	<0.5	✓	<0.5	✓	95.8%*
1,1-Dichloroethene	2.0	<0.5	✓	<0.5	✓	<0.5	✓	NA
cis-1,2-Dichloroethene	2.0	<0.5	✓	<0.5	✓	<0.5	✓	NA
trans-1,2-Dichloroethene	2.0	<0.5	✓	<0.5	✓	<0.5	✓	NA
Vinyl chloride	5.0	<0.5	✓	<0.5	✓	<0.5	✓	NA
Metals (µg/l)								
Iron (Unfiltered)	NL	469	✓	<39.2	✓	<39.2	✓	NA
Iron (Filtered)	NL	<39.2	✓	<39.2	✓	<39.2	✓	NA
Lead (Unfiltered)	NL	4.7	✓	1.7	✓	5.5	✓	NA
Lead (Filtered)	NL	<1.3	✓	<1.3	✓	3.4	✓	NA
Zinc (Unfiltered)	NL	254	✓	29.0	✓	343	✓	NA
Zinc (Filtered)	NL	81.0	✓	36.4	✓	263	✓	NA
TDS (mg/l)	NL	68.0	✓	70.0	✓	70.0	✓	NA
TSS (mg/l)	NL	3,570	✓	<10.0	✓	<10.0	✓	NA

Notes:
µg/l - Micrograms per liter
mg/l - Milligrams per liter
NL - No limit
NA - Not applicable
* - Results less than the laboratory minimum detection limit were considered to be one half the minimum detection limit
Values in **bold** exceed the site specific Groundwater Quality Criteria of 1.0 µg/l for TCE.

4.0 DEPTH TO WATER, WATER LEVEL ELEVATIONS, AND TREATMENT SYSTEM FLOW MONITORING (DGW)

4.1 Depth to Water and Water Level Elevations

The April 27, 2004 depth to water and water level elevation data is summarized in Table 1, Section 4. Depths to water in the wells on the south and north sides of the plant that screen the same interval as the recovery wells were used to develop the water level elevation and groundwater flow map (Figure 1). As shown in Figure 1, the groundwater flow direction is to the northeast, which is consistent with previous measurements.

The depth to water measurements in the well points installed downgradient of the recovery wells were plotted to develop the water level elevation and groundwater flow direction maps shown in Figures 2 and 3.

4.2 Treatment System Flow Monitoring

In a letter to Lenox dated April 18, 2000, NJDEP requested that Lenox propose an "Average Daily Volume" (ADV) that would represent the minimum pumping volume required to adequately capture the TCE plume. The ADV would be calculated by dividing the total volume of groundwater extracted by the recovery system each month by the number of days in the month and would be reported quarterly to NJDEP. In a letter to NJDEP dated May 19, 2000, Lenox proposed an ADV of 268,000 gallons per day, which was based on the results of groundwater modeling and the empirical water level and groundwater chemistry data developed since the recovery system started in 1991.

During the period March 1 through March 31, 2004, the calculated ADV was 357,861 gallons per day. During the period April 1 through April 30, 2004, the calculated ADV was 356,163 gallons per day. During the period May 1 through May 31, 2004, the calculated ADV was 367,584 gallons per day.

LENOX CHINA FACILITY AND ADJACENT AREA
POMONA, NEW JERSEY

TABLE 1 SECTION 4

WATER LEVEL MEASUREMENTS, APRIL 27, 2004

Well No.	Measuring Point Elevation (ft. above mean sea level)	Depth to Water (ft. below MP)	Water Level Elevation (ft. above mean sea level)
P1	65.69	4.60	61.09
P1A	66.32	4.98	61.34
P1B	66.34	5.05	61.29
P5	66.74	4.09	62.65
P5A	66.74	5.73	61.01
P8A	70.02	8.42	61.60
P8B	70.07	7.83	62.24
P9A	70.90	9.74	61.16
P9B	70.97	9.92	61.05
P9C	71.31	9.86	61.45
MW1	69.28	8.43	60.85
MW3	67.09	7.16	59.93
MW4	66.98	4.70	62.28
MW5	64.17	5.78	58.39
MW6	65.08	5.97	59.11
MW7	67.31	7.79	59.52
MW8	67.16	6.98	60.18
MW9	69.51	10.08	59.43
MW10	63.51	4.55	58.96
MW11	63.05	5.28	57.77
MW12D	62.89	5.00	57.89
MW12S	62.62	4.70	57.92
MW13	64.66	6.28	58.38
MW14D	63.63	5.15	58.48
MW14S	63.64	5.13	58.51
MW15	66.07	6.69	59.38
MW16	62.07	4.52	57.55
MW17	62.09	4.29	57.80
MW23	61.49	4.20	57.29
MW23A	61.78	4.60	57.18
MW24	62.60	5.23	57.37
MW25	61.13	3.97	57.16
MW25A	61.29	4.11	57.18
MW25B	61.22	4.03	57.19
MW26A (B30A)	62.48	5.45	57.03
MW26B (B30B)	61.65	4.67	56.98
MW72	64.19	4.62	59.57
MW73	63.06	2.97	60.09
MW74	62.56	3.80	58.76
MW75	60.15	3.51	56.64
MW76	60.60	4.16	56.44
MW77	60.41	4.15	56.26
MW78	59.84	3.21	56.63
MW79A	60.51	3.64	56.87
MW80	62.49	3.15	59.34
MW81	61.90	4.21	57.69
B31	62.19	5.26	56.93
B32	63.29	6.37	56.92
B53	62.31	4.26	58.05
B54	62.39	4.24	58.15
B59	60.02	3.05	56.97
B66	61.71	4.80	56.91
B66A	61.60	4.70	56.90
B66B	61.86	4.96	56.90
B67	62.29	5.45	56.84
B70A	61.39	4.12	57.27
B71	62.31	5.40	56.91
PZ1S	60.27	3.59	56.68
PZ1D	60.52	4.14	56.38
PZ2S	60.52	3.85	56.67
PZ2D	60.70	4.22	56.48
PZ3S	61.47	4.75	56.72
PZ3D	61.60	4.88	56.72
PZ4S	60.80	4.07	56.73
PZ4D	61.09	4.41	56.68
PZ5S	60.47	3.58	56.89
PZ5D	60.56	3.75	56.81
PZ6S	60.79	3.96	56.83
PZ6D	60.73	3.91	56.82

5.0 TCE MONITORING PROGRAM (MOA)

5.1 Background

A groundwater investigation performed at the Lenox China facility between January 1987 and February 1990 by Geraghty & Miller (G&M) identified two TCE plumes emanating from an antecedent drum storage pad and degreaser sump. Both antecedent waste handling areas are no longer in use. A second on-site degreaser sump was removed from service in June 1993. Lenox initiated a quarterly groundwater monitoring program to delineate and track the TCE plumes identified by G&M. The monitoring results were also used to design the GWCAS.

5.2 Field Procedures

Groundwater samples were collected from twenty-two monitoring wells at the Lenox facility and along White Horse Pike on April 27-29, 2004. All sampling was performed in accordance with the most recently revised (April 1996) GWSAP and SGWSAP approved by the NJDEP.

Each well used to monitor the TCE remediation system contains a three-quarter-inch inner-diameter pump column attached to a one-foot section of well screen. The bottom of the pump column screen is set approximately two feet above the top of the well screen to ensure that the total volume of standing water in the well casing is removed during purging. To purge the wells, a peristaltic pump was attached to the top of the pump column using drinking-water grade polyethylene tubing. Three to five times the volume of standing water in each well was removed and field parameters (pH, specific conductivity, temperature and dissolved oxygen) were monitored during purging. The field parameter data is provided on the well sampling logs in Appendix A. Samples for metals analysis were collected directly from the discharge of the peristaltic pump. A new section of tubing was used for each well to avoid cross-contamination. Samples for VOC analysis were collected with 60 cc Teflon bailers dedicated to each well.

Unfiltered samples were analyzed for VOCs, iron, zinc, lead, TDS and TSS. Filtered samples were analyzed for iron, zinc and lead. Field blank and duplicate samples collected during the

monitoring program and a trip blank supplied by the laboratory were analyzed for quality assurance purposes. All analyses were performed by Accutest Laboratories, located in Dayton, New Jersey (NJDEP certification No. 12129).

5.3 Groundwater Monitoring Results

The groundwater analytical data is summarized in Tables 1, 2, 3 and 4, Section 5. The extent of TCE in groundwater during the April 2004 monitoring round is shown on Figure 4. The laboratory data reports are provided in Appendix C, which is bound separately.

The April 2004 monitoring results are summarized below:

- For wells sampled on a quarterly basis, TCE concentrations increased in wells MW-10, MW-25, B-59, MW-76 and MW-81 since the last monitoring round. The largest increase occurred in well MW-10 (3.0 µg/l in January 2004 to 3.9 µg/l in April 2004).

- For wells sampled on an annual basis, TCE concentrations increased in wells MW-12D, MW-23, B-32, B-54 and B-71. The largest increase occurred in well B-54 (75.4 µg/l in April 2003 to 117 µg/l in April 2004).

- For wells sampled on a quarterly basis, TCE concentrations decreased in wells MW-12S, MW-15, B-31, MW-77, MW-78 and MW-79A since the last monitoring round. The largest decrease occurred in well B-31 (10.0 µg/l in January 2004 to 8.5 µg/l in April 2004).

- For wells sampled on an annual basis, TCE concentrations decreased in wells B-53 and B-66. The largest decrease occurred in well B-66 (37.7 µg/l in April 2003 to 6.3 µg/l in April 2004).

- TCE concentrations remained effectively unchanged at less than the laboratory reporting limit in wells MW-1, MW-13, MW-75 and MW-80.

- Cis-1,2-dichloroethene was detected in the samples from wells MW-10, MW-12D, B-31, B-32, B-54, MW-77 and MW-79A at concentrations ranging from 0.26 J µg/l in MW-10 to 3.0 µg/l in MW-79A. Trans-1,2-dichloroethene was detected in the sample from well MW-79A at a concentration of 0.65 J µg/l. No other TCE breakdown products were detected above laboratory reporting limits in any wells.

- Iron was detected above the laboratory reporting limit of 100 µg/l in the unfiltered samples from wells MW-1, MW-10, MW-15, MW-23, B-71 and MW-78 at concentrations ranging from 101 µg/l (MW-15) to 691 µg/l (MW-1). Iron was not detected above the laboratory reporting limit of 100 µg/l in any filtered sample.

- Lead was not detected above the laboratory reporting limit of 3.0 µg/l in any of the unfiltered or filtered samples.

- Zinc was detected above the laboratory reporting limit of 20 µg/l in the unfiltered samples from wells MW-15, MW-23, MW-25, B-31 and B-71 at concentrations ranging from 28.0 µg/l (B-71) to 107 µg/l (MW-25). Zinc was detected above the laboratory reporting limit of 20 µg/l in the filtered samples from wells MW-15, MW-23, MW-25 and B-31 at concentrations ranging from 40.0 µg/l (MW-23) to 111 µg/l (MW-25).

- TDS concentrations ranged from less than the 10 mg/l laboratory reporting limit (MW-75) to 418 mg/l (MW-12D). TSS concentrations were at or below the laboratory reporting limit of 4.0 mg/l in all samples except MW-10 (5.0 mg/l), B-53 (15.0 mg/l), B-71 (20.0 mg/l) and MW-78 (9.0 mg/l).

- There was fair agreement between analyte concentrations in the field and duplicate samples (MW-85) from well MW-75.

- TCE, iron, lead, zinc, TDS and TSS were not detected in the field blank samples at concentrations exceeding their respective laboratory reporting limits. No VOCs were detected in the trip blank at concentrations exceeding laboratory reporting limits.

- Chloroform was detected in the samples from a number of wells, at concentrations ranging from 0.49 J µg/l (MW-25) to 3.3 µg/l (MW-79A). Chloroform was not detected in the field or trip blanks and is not considered a site-related compound.

The monitoring data indicates that since the last monitoring round, TCE concentrations in samples from the sentinel wells along White Horse Pike increased slightly in MW-76, decreased in wells MW-77, MW-78 and MW-79A, and remained the same in well MW-75 at less than the laboratory reporting limit. The greatest change in concentration occurred at well MW-79A, which decreased from 5.4 µg/l in January 2004 to 5.2 µg/l in April 2004.

LENOX CHINA FACILITY AND ADJACENT AREA
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TABLE 1 SECTION 5

SUMMARY OF TCE CONCENTRATIONS IN GROUNDWATER (OCTOBER 2001-APRIL 2004)

Well	January 29-30, 2003	April 14-16, 2003	July 22-24, 2003	October 28-30, 2003	Jan. 21-22, 2004	Apr. 27-29, 2004
MW1	<0.15	<0.19	<0.19	<0.19	<0.19	<0.19
MW10	**3.9**	<0.19	<0.19	**5.8**	**3.0**	**3.9**
MW12S	**1.6**	<0.19	<0.19	**1.3**	**1.3**	**1.1**
MW12D	-	<0.19	-	-	-	**5.4**
MW13	<0.15	<0.19	<0.19	<0.19	<0.19	<0.19
MW15	**2.2**	**1.3**	<0.19	0.67 J	0.96 J	0.69 J
MW23	-	<0.19	-	-	-	**8.9**
MW25	**2.5**	**1.5**	**1.1**	0.86 J	<0.19	0.39 J
B31 (MW27)	**24.4**	**26.1**	**15.7**	**10.7**	**10.0**	**8.5**
B32 (MW28)	-	**3.4**	-	-	-	**8.5**
B53	-	**10.3**	-	-	-	**6.7**
B54	-	**75.4**	-	-	-	**117**
B59	0.62 J	0.71 J	0.96 J	<0.19	<0.19	0.46 J
B66	-	**37.7**	-	-	-	**6.3**
B71	-	**1.2**	-	-	-	**2.8**
MW75	<0.15/<0.15	<0.19/<0.19	<0.19/<0.19	<0.19/<0.19	<0.19/<0.19	<0.19/<0.19
MW76	0.39 J	<0.19	<0.19	<0.19	<0.19	0.30 J
MW77	**2.3**	**1.9**	0.67 J	**1.7**	**1.4**	**1.3**
MW78	**1.7**	**1.8**	**1.1**	**1.4**	**1.3**	**1.2**
MW79A	**6.4**	**3.8**	<0.19	**6.0**	**5.4**	**5.2**
MW80	<0.15	<0.19	<0.19	<0.19	<0.19	<0.19
MW81	0.50 J	<0.19	<0.19	<0.19	<0.19	0.27 J
GAC Influent	**5.6**	**9.91**	**20.22**	**7.6**	**4.5**	**5.9**
GAC Effluent	<0.26	<0.26	<0.26	<0.5	<0.5	<0.5
GAC Mid-Vessel	<0.26	0.37	<0.26	<0.5	<0.5	<0.5

Notes:

All samples analyzed by USEPA Method 624, 601 or 502.2/524.2.

All concentrations are presented in micrograms per liter (ug/l).

- = Not analyzed J = Estimated concentration

Values in **bold** font exceed the site specific Groundwater Quality Criteria for TCE (1.0 ug/l).

Table 1, Section 5 Continued...

Well	October 16-17, 2001	January 21-23, 2002	April 8-10, 2002	May 1, 2002	July 17-19, 2002	October 15-17, 2002
MW1	<0.30	<0.30	<0.30	-	<0.15	<0.15
MW10	**9.6/8.8**	**2.6/2.7**	**8.6/8.5**	-	**6.4**	**6.8**
MW12S	**1.4**	**1.4**	**1.4**	-	**1.8**	**1.7**
MW12D	-	-	**6.0**	-	-	-
MW13	<0.30	<0.30	<0.30	-	<0.15	<0.15
MW15	0.83	**1.3**	**1.9**	-	**1.3**	0.59
MW23	-	-	**61.7**	-	-	-
MW25	**14.0**	**9.0**	**6.4**	-	**4.1**	**3.4**
B31 (MW27)	**13.0**	**11.1**	**10.8**	-	**1.8**	**6.6**
B32 (MW28)	-	-	**13.7**	-	-	-
B53	-	-	**6.2**	-	-	-
B54	-	-	**87.4**	-	-	-
B59	**1.3**	**1.3**	0.90	-	0.60	<0.15
B66	-	-	**41.0**	-	-	-
B70A	-	-	<0.30	-	-	-
B71	-	-	0.47	-	-	-
MW75	<0.30	<0.30/<0.30	<0.30/<0.30	<0.30	<0.15/<0.15	<0.15/<0.15
MW76	0.42	<0.30	0.45	0.41	<0.15	<0.15
MW77	**2.8**	**2.5**	**2.3**	**2.2**	**2.5**	**1.9**
MW78	**1.2**	**1.4**	**1.3**	**1.2**	**1.6**	**1.0**
MW79A	**3.1**	**3.8**	**3.8**	**4.3**	**6.0**	**3.7**
MW80	<0.30	<0.30	<0.30	-	<0.15	<0.15
MW81	0.38	0.48	0.47	-	0.62	0.53
GAC Influent	**15.0**	**11.0**	**11.0**	-	**8.7**	**7.6**
GAC Effluent	<0.49	<0.49	<0.26	-	<0.26	<0.26
GAC Mid-Vessel	<0.49	<0.49	<0.26	-	**1.0**	<0.26

Notes:

All samples analyzed by USEPA Method 624, 601 or 502.2/524.2.

All concentrations are presented in micrograms per liter (ug/l).

- = Not analyzed J = Estimated concentration

Values in **bold** font exceed the site specific Groundwater Quality Criteria for TCE (1.0 ug/l).

LENOX CHINA FACILITY AND ADJACENT AREA
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TABLE 2 SECTION 5

TCE AND ASSOCIATED BREAKDOWN PRODUCT CONCENTRATIONS, APRIL 27-29, 2004

Well	TCE	cis-DCE	trans-DCE	1,1 DCE	Vinyl Chloride
MW-1	<0.19	<0.20	<0.53	<0.43	<0.67
MW-10	**3.9**	0.26 J	<0.53	<0.43	<0.67
MW-12S	**1.1**	<0.20	<0.53	<0.43	<0.67
MW-12D	**5.4**	0.63 J	<0.53	<0.43	<0.67
MW-13	<0.19	<0.20	<0.53	<0.43	<0.67
MW-15	0.69 J	<0.20	<0.53	<0.43	<0.67
MW-23	**8.9**	<0.20	<0.53	<0.43	<0.67
MW-25	0.39 J	<0.20	<0.53	<0.43	<0.67
B-31	**8.5**	0.44 J	<0.53	<0.43	<0.67
B-32	**8.5**	0.59 J	<0.53	<0.43	<0.67
B-53	**6.7**	<0.20	<0.53	<0.43	<0.67
B-54	**117**	0.65 J	<0.53	<0.43	<0.67
B-59	0.46 J	<0.20	<0.53	<0.43	<0.67
B-66	**6.3**	<0.20	<0.53	<0.43	<0.67
B-71	**2.8**	<0.20	<0.53	<0.43	<0.67
MW-75	<0.19	<0.20	<0.53	<0.43	<0.67
MW-85 (Dup MW-75)	<0.19	<0.20	<0.53	<0.43	<0.67
MW-76	0.30 J	<0.20	<0.53	<0.43	<0.67
MW-77	**1.3**	1.1	<0.53	<0.43	<0.67
MW-78	**1.2**	<0.20	<0.53	<0.43	<0.67
MW-79A	**5.2**	3.0	0.65 J	<0.43	<0.67
MW-80	<0.19	<0.20	<0.53	<0.43	<0.67
MW-81	0.27 J	<0.20	<0.53	<0.43	<0.67

Notes:
All concentrations are presented in micrograms per liter (µg/l).
J = Estimated concentration.
Values in **bold** exceed the site specific Groundwater Quality Criteria for TCE (1.0 µg/l).

LENOX CHINA FACILITY AND ADJACENT AREAS
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TABLE 3 SECTION 5

INORGANIC ANALYTE CONCENTRATIONS, APRIL 27-29, 2004

Well No.	MW-1	MW-10	MW-12S	MW-12D	MW-13	MW-15	MW-23	MW-25	B-31	B-32	B-53	B-54
Metals (µg/l)												
Iron (Unfiltered)	691	246	<100	<100	<100	101	123	<100	<100	<100	<100	<100
Iron (Filtered)	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Lead (Unfiltered)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Lead (Filtered)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Zinc (Unfiltered)	<20	<20	<20	<20	<20	**48.7**	**38.3**	**107**	**69.9**	<20	<20	<20
Zinc (Filtered)	<20	<20	<20	<20	<20	**49.3**	**40.0**	**111**	**73.0**	<20	<20	<20
TDS (mg/l)	66	115	103	418	120	135	121	71	103	152	35	73
TSS (mg/l)	<4.0	5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	15.0	<4.0

Notes:
µg/l = Micrograms per liter.
mg/l = Milligrams per liter.
Values in **bold** exceed the site specific Groundwater Quality Criteria for Lead (10 µg/l) or Zinc (36.7 µg/l).

Table 3, Section 5 Continued . . .

Well No.	B-59	B-66	B-71	MW-75	MW-85*	MW-76	MW-77	MW-78	MW-79A	MW-80	MW-81
Metals (µg/l)											
Iron (Unfiltered)	<100	<100	276	<100	<100	<100	<100	358	<100	<100	<100
Iron (Filtered)	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Lead (Unfiltered)	<3.0	<3.0	3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Lead (Filtered)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Zinc (Unfiltered)	<20	<20	28.0	<20	<20	<20	<20	<20	<20	<20	<20
Zinc (Filtered)	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
TDS (mg/l)	55	49	14	<10	23	98	16	13	84	67	40
TSS (mg/l)	<4.0	<4.0	20.0	<4.0	<4.0	<4.0	<4.0	9.0	<4.0	<4.0	<4.0

Notes:

* MW-85 is duplicate of MW-75.

µg/l = Micrograms per liter.

mg/l = Milligrams per liter.

Values in **bold** exceed the site specific Groundwater Quality Criteria for Lead (10 µg/l) or Zinc (36.7 µg/l).

LENOX CHINA FACILITY AND ADJACENT AREAS
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TABLE 4 SECTION 5

QUALITY ASSURANCE/QUALITY CONTROL SAMPLES, APRIL 27-29, 2004

Sample ID Sample Matrix Date	FB-1 Field Blank 4/27/2004	FB-2 Field Blank 4/28/2004	FB Field Blank 4/29/2004	TB Trip Blank
Trichloroethene	<0.19 ✓	<0.19 ✓	<0.19 ✓	<0.19 ✓
Iron (Unfiltered)	<100 ✓	<100 ✓	<100 ✓	NA
Iron (Filtered)	<100 ✓	<100 ✓	<100 ✓	NA
Lead (Unfiltered)	<3.0 ✓	<3.0 ✓	<3.0 ✓	NA
Lead (Filtered)	<3.0 ✓	<3.0 ✓	<3.0 ✓	NA
Zinc (Unfiltered)	<20 ✓	<20 ✓	<20 ✓	NA
Zinc (Filtered)	<20 ✓	<20 ✓	<20 ✓	NA
TDS (mg/l)	<10 ✓	<10 ✓	<10 ✓	NA
TSS (mg/l)	<4.0 ✓	<4.0 ✓	<4.0 ✓	NA

Notes:
All concentrations presented in micrograms per liter (µg/l), unless otherwise noted.
mg/l = Milligrams per liter.
NA = Not Analyzed

6.0 SOLID WASTE MANAGEMENT UNIT NO. 2 AND AREA OF CONCERN GROUNDWATER MONITORING PROGRAM (MOA)

The groundwater sampling data from monitoring wells MW-10, MW-17, MW-72, MW-73 and MW-74 are used to assess groundwater quality downgradient of Solid Waste Management Unit (SWMU) No. 2 and the Area of Concern (AOC). Unfiltered and filtered samples from these wells were analyzed for lead and zinc. The groundwater analytical data is summarized in Table 1, Section 6. The laboratory data reports are included in Appendix C.

The April 2004 monitoring results are summarized below:

- Lead was detected in the unfiltered samples from wells MW-72 (17.6 µg/l), MW-73 (42.6 µg/l) and MW-74 (7.2 µg/l) at concentrations exceeding the laboratory reporting limit of 3.0 µg/l. Lead was detected in the filtered sample from well MW-73 (9.2 µg/l) at a concentration exceeding the laboratory reporting limit of 3.0 µg/l.

- Zinc was detected in the unfiltered samples from wells MW-17 (105 µg/l), MW-72 (21.8 µg/l), MW-73 (53.4 µg/l) and MW-74 (48.1 µg/l) at concentrations exceeding the laboratory reporting limit of 20 µg/l. Zinc was detected in the filtered samples from wells MW-17 (123 µg/l), MW-73 (34.9 µg/l) and MW-74 (40.3 µg/l) at concentrations exceeding the laboratory reporting limit of 20 µg/l.

LENOX CHINA FACILITY AND ADJACENT AREAS
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TABLE 1 SECTION 6

SWMU NO. 2 AND AOC GROUNDWATER MONITORING RESULTS, APRIL 28-29, 2004

Well No.	MW-10	MW-17	MW-72	MW-73	MW-74
Lead (Unfiltered)	<3.0	<3.0	**17.6**	**42.6**	7.2
Lead (Filtered)	<3.0	<3.0	<3.0	9.2	<3.0
Zinc (Unfiltered)	<20	**105**	21.8	**53.4**	**48.1**
Zinc (Filtered)	<20	**123**	<20	34.9	**40.3**

Notes:
All concentrations presented in micrograms per liter (µg/l).
Values in **bold** exceed the site specific Groundwater Quality Criteria for Lead (10 µg/l) and Zinc (36.7 µg/l).

7.0 CLASSIFICATION EXCEPTION AREA/ STATISTICAL ANALYSIS PROGRAM (MOA)

The groundwater sampling data from MW-1, MW-3F, MW-6F, MW-12S, MW-13, MW-73, MW-74, MW-75 and MW-79A is used to assess groundwater quality downgradient of the Lenox facility. Unfiltered and filtered samples from these wells were analyzed for lead and zinc. The groundwater analytical results are summarized in Table 1, Section 7. The laboratory data reports are included in Appendix C.

The April 2004 results for the Classification Exception Area (CEA) monitoring program are summarized below:

- Lead concentrations in the unfiltered samples ranged from less than the laboratory reporting limit of 3.0 µg/l to 42.6 µg/l (MW-73). Lead concentrations in the filtered samples ranged from less than the laboratory reporting limit of 3.0 µg/l to 9.2 µg/l (MW-73).

- Zinc concentrations in the unfiltered samples ranged from less than the laboratory reporting limit of 20 µg/l to 53.4 µg/l (MW-73). Zinc concentrations in the filtered samples ranged from less than the laboratory reporting limit of 20 µg/l to 40.3 µg/l (MW-74).

- TCE concentrations in all monitoring wells, as summarized in Table 1, Section 5, ranged from less than the laboratory reporting limit of 0.19 µg/l to 117 µg/l, with the highest concentration in the sample from well B-54. TCE concentrations in the sentinel wells along the White Horse Pike ranged from less than the 0.19 µg/l laboratory reporting limit in well MW-75 to 5.2 µg/l in well MW-79A.

In accordance with the CEA monitoring program, the sentinel well TCE monitoring data collected during the past eight consecutive quarters was statistically analyzed using the Mann-Whitney U-Test. The results are summarized in Table 2, Section 7. The null hypothesis was accepted at the 90 percent confidence level (U>3) for wells MW-75, MW-76, MW-78 and MW-

79A indicating that TCE concentrations at these wells have statistically remained the same or increased over the past eight monitoring periods. MW-75 has not contained any detectable concentrations of TCE for the past nineteen consecutive quarters. The null hypothesis was rejected (U=/<3) for well MW-77, indicating that the TCE concentration at this well has statistically decreased over the past eight monitoring periods.

LENOX CHINA FACILITY AND ADJACENT AREAS
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TABLE 1 SECTION 7

CEA GROUNDWATER MONITORING RESULTS, APRIL 28-29, 2004

Well No.	MW-1	MW-3F	MW-6F	MW-12S	MW-13
Lead (Unfiltered)	<3.0 ✓	<3.0 ✓	<3.0 ✓	<3.0 ✓	<3.0 ✓
Lead (Filtered)	<3.0 ✓	3.7 ✓	<3.0 ✓	<3.0 ✓	<3.0 ✓
Zinc (Unfiltered)	<20 ✓	<20 ✓	<20 ✓	<20 ✓	<20 ✓
Zinc (Filtered)	<20 ✓	<20 ✓	<20 ✓	<20 ✓	<20 ✓

Well No.	MW-73	MW-74	MW-75	MW-79A
Lead (Unfiltered)	**42.6** ✓	7.2 ✓	<3.0 ✓	<3.0 ✓
Lead (Filtered)	9.2 ✓	<3.0 ✓	<3.0 ✓	<3.0 ✓
Zinc (Unfiltered)	**53.4** ✓	**48.1** ✓	<20 ✓	<20 ✓
Zinc (Filtered)	34.9 ✓	**40.3** ✓	<20 ✓	<20 ✓

Notes:
All concentrations presented in micrograms per liter (µg/l).
Values in **bold** exceed the site specific Groundwater Quality Criteria for Lead (10 µg/l) and Zinc (36.7 µg/l).

LENOX CHINA FACILITY AND ADJACENT AREAS

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TABLE 2 SECTION 7

MANN-WHITNEY STATISTICAL TEST SUMMARY

Sentinel Well	Eighth Quarter Ending Date					
	Jan-04			Apr-04		
	Ua	Ub	U	Ua	Ub	U
MW-75	16	0	8	16	0	8
MW-76	8	0	4	12	3	7.5
MW-77	1	0	0.5	0	-	0
MW-78	9	8	8.5	4	-	4
MW-79A	7	5	6	7	6	6.5

Notes:

Null hypothesis will be accepted at the 90% confidence level when the calculated U value is greater than 3.

If two or more concentrations are identical the test is calculated twice, once ranking the identical "a" concentrations first (Ua) and once ranking the "b" concentrations first (Ub). The average of these values is the actual "U". (N.J.A.C. 7:26 E App. C)

8.0 RESIDENTIAL WELL SAMPLING

Following discussions with NJDEP and USEPA in 2001, Lenox agreed to develop and coordinate a sampling program with the Atlantic County Health Services (ACDPH) to assess and track TCE and breakdown product concentrations at residential wells located downgradient of the White Horse Pike (Route 30). Lenox initiated the sampling during the fourth quarter of 2001 at the first three homes immediately downgradient of the White Horse Pike that are not served by public water. A fourth residence was added in January 2003 and is included in the list below. In accordance with the plan developed by Lenox, the sampling results are provided to ACDPH, which in turn provides any significant data directly to the homeowners and the USEPA.

The residences covered by the current quarterly sampling program are shown on Figure 5 and are identified as follows:

- RESW-1, 360 S. Mannheim Avenue
- RESW-2, 357 S. Mannheim Avenue
- RESW-3, 353 S. Mannheim Avenue
- RESW-4, 344 S. Mannheim Avenue

Private wells at homes further north and west of Mannheim Avenue are not included in the sampling program due to their distance from White Horse Pike. The wells were sampled on April 28, 2004. Please note that RESW-3 was not sampled during this round. The property was recently sold and ACDPH had not yet informed the new owner of the monitoring program when the sampling event took place.

The current and historical sampling data is summarized in Tables 1 and 2, Section 8. Laboratory data reports are included in Appendix C. The second quarter monitoring results are summarized below:

- TCE was detected at a concentration above the laboratory reporting limit of 0.50 µg/l in RESW-1 (0.65 µg/l). TCE was not detected in the other two samples. TCE breakdown

products were not detected in any sample at concentrations exceeding the laboratory reporting limits.

- Chloroform was detected in two samples at concentrations of 7.2 µg/l (RESW-1) and 0.52 J µg/l (RESW-2). Chloroform is not considered a site-related compound.

- Methyl tert-butyl ether (MTBE) was detected in the sample from RESW-4 at a concentration of 2.3 µg/l. MTBE is not considered a site-related compound.

- Benzene and carbon disulfide were detected in the sample from RESW-2 at concentrations of 0.55 µg/l and 1.2 µg/l, respectively. Neither of these compounds are considered to be site-related compounds.

The RESW-1 residence was connected to the municipal water supply system on August 20, 2002.

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TABLE 1 SECTION 8

RESIDENTIAL WELL SAMPLING RESULTS, APRIL 28, 2004

Well ID	RESW-1	RESW-2	RESW-4
Acetone	-	-	-
2-Butanone	-	-	-
Benzene	-	0.55	-
Bromobenzene	-	-	-
Bromochloromethane	-	-	-
Bromodichloromethane	-	-	-
Bromoform	-	-	-
Bromomethane	-	-	-
n-Butylbenzene	-	-	-
sec-Butylbenzene	-	-	-
tert-Butylbenzene	-	-	-
Carbon disulfide	-	1.2	-
Chlorobenzene	-	-	-
Chloroethane	-	-	-
Chloroform	7.2	0.52	-
Chloromethane	-	-	-
o-Chlorotoluene	-	-	-
p-Chlorotoluene	-	-	-
Carbon tetrachloride	-	-	-
1,1-Dichloroethane	-	-	-
1,1-Dichloroethene	-	-	-
1,1-Dichloropropene	-	-	-
1,2-Dibromo-3-chloropropane	-	-	-
1,2-Dibromoethane	-	-	-
1,2-Dichloroethane	-	-	-
1,2-Dichloropropane	-	-	-
1,3,-Dichloropropane	-	-	-
2,2-Dichloropropane	-	-	-
Dibromochloromethane	-	-	-
Dibromomethane	-	-	-
Dichlorodifluoromethane	-	-	-
Cis-1,3-Dichloropropene	-	-	-
m-Dichlorobenzene	-	-	-
o-Dichlorobenzene	-	-	-
p-Dichlorobenzene	-	-	-
Trans-1,2-Dichloroethene	-	-	-
Cis-1,2,-Dichloroethene	-	-	-
Trans-1,3-Dichloropropene	-	-	-
Ethylbenzene	-	-	-
Hexachlorobutadiene	-	-	-
Hexane	-	-	-
2-Hexanone	-	-	-
Isopropylbenzene	-	-	-
p-Isopropylbenzene	-	-	-
Methylene Chloride	-	-	-
Methyl Tert Butyl Ether	-	-	2.3
4-Methyl-2-Pentanone	-	-	-
Naphthalene	-	-	-
n-Propylbenzene	-	-	-
Styrene	-	-	-
1,1,1,2-Tetrachloroethane	-	-	-
1,1,1-Trichloroethane	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-
1,1,2-Trichloroethane	-	-	-
1,2,3-Trichlorobenzene	-	-	-
1,2,3-Trichloropropane	-	-	-
1,2,4-Trichlorobenzene	-	-	-
1,2,4-Trimethylbenzene	-	-	-
1,3,5-Trimethylbenzene	-	-	-
Toluene	-	-	-
Trichloroethene	0.65	-	-
Trichlorofluoromethane	-	-	-
Vinyl Chloride	-	-	-
Xylenes, total	-	-	-

Notes:
All concentrations presented in micrograms per liter (ug/l).
- = Parameter not detected above laboratory detection limit.

LENOX CHINA
POMONA, NEW JERSEY

TABLE 2 SECTION 8

HISTORICAL RESIDENTIAL WELL SAMPLING RESULTS AS OF APRIL 2004
(DETECTED COMPOUNDS ONLY)

Sample ID	Date	Benzene	Chloroform	Chlorobenzene	m-Dichloro benzene	p-Dichloro benzene	MTBE	Trichloroethene	Carbon Disulfide
RESW-1	3/19/2002	-	5.0	-	-	-	-	**1.4**	-
	5/16/2002	-	3.6	-	-	-	-	**1.5**	-
	7/18/2002	-	4.1	-	-	-	-	**1.2**	-
	10/16/2002	-	4.2	-	-	-	0.29	0.88	-
	1/29/2003	-	6.6	-	-	-	-	-	-
	4/14/2003	-	4.9	-	-	-	-	0.56	-
	7/23/2003	-	5.5	-	-	-	-	**1.1**	-
	10/30/2003	-	7.9	-	-	-	-	0.53	-
	1/21/2004	-	6.5	-	-	-	-	0.54	-
	4/28/2004	-	7.2	-	-	-	-	0.65	-
RESW-2	3/19/2002	1.3	0.72	-	-	0.26	-	-	-
	5/16/2002	0.88	0.51	-	-	0.33	-	-	-
	7/18/2002	0.96	0.38	-	-	0.38	-	-	-
	10/16/2002	1.4	0.29	-	0.071	0.33	-	-	-
	1/29/2003	1.4	0.25 J	-	-	0.26 J	-	-	-
	4/14/2003	1.4	0.28 J	0.098 J	0.10 J	0.52	-	-	-
	7/23/2003	0.78	-	-	-	-	-	-	-
	10/30/2003	0.52	0.68	-	-	0.31 J	-	-	-
	1/21/2004	0.60	0.49 J	-	-	-	-	-	-
	4/28/2004	0.55	0.52	-	-	-	-	-	1.2
RESW-3	3/19/2002	-	3.1	-	-	-	-	-	-
	6/4/2002	-	2.7	-	-	-	-	-	-
	7/18/2002	-	2.6	-	-	-	-	-	-
	10/16/2002	-	2.4	-	-	-	-	-	-
	1/29/2003	NS	NS	NS	NS	NS	NS	NS	NS
	4/16/2003	-	2.4	-	-	-	-	-	-
	7/23/2003	-	2.9	-	-	-	-	-	-
	10/30/2003	NS	NS	NS	NS	NS	NS	NS	NS
	1/21/2004	NS	NS	NS	NS	NS	NS	NS	NS
	4/28/2004	NS	NS	NS	NS	NS	NS	NS	NS
RESW-4	1/29/2003	-	0.29 J	-	-	-	1.3	-	-
	4/14/2003	-	0.22 J	-	-	-	1.3	-	-
	7/23/2003	-	-	-	-	-	1.7	-	-
	10/30/2003	-	-	-	-	-	2.3	-	-
	1/21/2004	-	-	-	-	-	1.8	-	-
	4/28/2004	-	-	-	-	-	2.3	-	-

Notes:
All concentrations presented in micrograms per liter (ug/l).
- = Not detected above laboratory detection limit.
J = Estimated concentration. NS = Not sampled.
Values in **bold** font exceed the site specific Groundwater Quality Criteria for TCE (1.0 ug/l).